The Mining Journal RAILWAY AND COMMERCIAL GAZETTE.

forming a complete record of the proceedings of all public companies.

No. 723.---Vol. XIX.]

LONDON, SATURDAY, JUNE 30, 1849.

PRICE 6D.

MARKE VALLEY MINING SHARES.

MESSRS. EWER & BECKINGSALE beg to announce that they have received instructions from the assignces of the estate of Mr. W. B. redie, to OFFER FOR SALE, at the White Hart Hotel, SALISBURY, on Monday, the dof July next, at Turne o'clock in the aftermoon, a

A LARGE NUMBER OF SHARES

The MARKE VALLEY CONSOLIDATED TIN & COPPER MINING COMPANY.

For particulars apply to Messrs. Cobb and Son, or to Mr. C. W. Squarey, solicitors, disberty.

VALUABLE MINE MATERIALS; FOR SALE

R. PRYOR and Mr. MAY will SELL, BY AUCTION, at WHEAL BUCKETTS MINE, near REDRUTH, on Tuesday, the 3d July next, Eleven o'clock in the forenoon, the following valuable

MINE MATERIALS: 60-inch STEAM-ENGINE, with two bollers, weighing about 34 tons Balance-bob, capstan, shears, and capstan rope A spare boller, 3½ tons A very good crusher 9-feet 18-inch pumps 6-feet ill-inch pumps 6-feet ill-inch pumps 8-feet 20-inch windbore 9-feet 12-inch ditto 6-feet 10-inch ditto 3-feet 18-inch matching piece 17-inch ditto 4-feet 12-inch ditto 18-inch H-piece 9-inch ditto 9-face 18-inch pumps
6-fact ditto
9-fact 17-inch ditto
9-fact 17-inch ditto
9-fact 17-inch ditto
9-fact 13-inch ditto
Fathoms of 7 and 8-inch pumps
11-fact 18-inch working pieces
12-fact 11-inch ditto
10-fact 10-fach ditto
10-fact 16-inch windbore 18-inch doorpiece and door unger case

s of 12-inch oak and other rods, rod pla llows, vice, iron horse, smiths' and ralves, several lillows, vice, iron horse, smiths' and middles, lot of old timber articles too numerous

terials may be viewed on application to the agent, at the mine, of whom a rticulars may be obtained; or of the auctioneers, Mr. Pryor, Bell Cottage, ne or Mr. May, Paul's-ternee, Truco.

IMPORTANT IRON, COPPER, AND TIN-PLATE WORKS

IMPORTANT IRON, COPPER, AND TIN-PLATE WORKS.

ESSRS. SHUTTLEWORTH & SONS have been favoured with instructions from trustees, under a mortgage deed, to Sell, BY AUCTION, Auction Mart, in London, on Tuesday, July 17th, at Twelve, the valuable and impact establishments of the Governor and Company of Copper Miners in England, in a country of GLAMORGAN.—The establishment at Cwm Avon is of the most compand finished character, and includes every power and erection essential for carry, in the most economical number, and on a large scale, every branch of the IRON, PLATE, and COPPER TRADES.

LATE, and COPPER TRADES.

assess under which the property is held include several thousand acres of land, in fin rich seams of superior bituminous coal, including all the veins of argillaton ore of the lower measures, which supply the large iron-works of South Wales didlind the black-band fron ore, which is wrought at a very low price per tens, editeries in the levels and pits now working afford almost an unlimited supply of inheral, withis an average of 5 miles of the shipping port. The establishment, as serected at a cost of nearly half a million sterling, consists of the following severts:

ERON TRADE—seven blast furnaces complete, capable of producing from 850 to 900 ons of pig-iron per week, with coke ovens and refineries attached, three puddling and five self-ead bur mills of the best construction, which are capable of producing 3000 tons of inslated har or rail per month.

The TIN-PLATE FORGES and MILLS are capable of working up iron for finishing 900 boxes of tin-plates per week, with chemical works attached, for the purpose of abstracting (during the conversion of wood into the necessary supply of charcoal for this seach of trade) the naphtha, acetic acid, and other products, and also for the supply of eliphuric and muriatic acids.

The COPPER SMELTING WORKS, which are under one reof, and are capable of melting about 600 tens of ore, equal to 50 tens of refined copper per week, and possess insusal convenience for the supply of water, and the cleap deposit of alag.

The COPPER ROLLING MILL is one of the largest in Wales, with immmers, rolls, te., stached.

he FIRE BRICK MILL as one of the isrgest in wates, with immers, rolls, stached.

he FIRE BRICK MILL can tura out 100,000 bricks per week. In the centre of the ks is a large enclosed depôt for stowage of all goods, and also a line of workshops come in every respect; with the necessary steam-engine, machinery, and tools for the ply of all kinds of patternmakers, incorr, savverer, fitters, boltmarkers, smiths, founders' work required for so large an establishment. The offices for conducting business in the centre of the works are most complete. There is an excellent manashment and work men, shope, and a large square fitted for the purpose of a market, excellent stabling for upwards of 30c horacs. The erections, works, and buildings, are the seception of two of the blast furnaces, are in the partial of Michaelstone, held by company for an unexpired term of 30 years, and the control of the population content with the works is thus benestically under the managing director of the works whole of the works are connected by rail or tram reads with the collieries and the ping port, which is distant only two and a half miles, and the South Wales Railway es close to the premises. he premises may be viewed by application to John Biddulph, Eq., Coed-park House, whole of Messer, J. C. and H. Freenfield, colictors, New Bank-buildings, Messrs. Se, Squance, Clarke, and Morriot, solicitors, Coleman-street, at the Auction Mart; of Messry, Slantileworth and Sons, 28, Poultry.

TO IRONMASTERS. FOUNDERS. &c.

TO IRONMASTERS, FOUNDERS, &c

R. W. D. STARLING is instructed to SELL, by PRIVATE CONTRACT, a QUANTITY of OLD RAILS and CHAIRS; also, several LOTS NOTERATORS PLANT.—Application to be made at his office, 13, Change-alley, and on, June 14, 1849.

TEAM - ENGINES ON SALE.—No. 1.—A SECOND-HAND DOUBLE FOWER CONDENSING MARINE ENGINE, with cast-iron raming and side beams; cylinder 32 inches diameter, 3 feet stroke; air-pump, lined with rease—no boller; 47-lores power, with 7 lbs. pressure on the square inch, and very suit-ble for pumping and winding in a colliery, lead mine, or to drive any kind of milliwork.

Mo. 2.—A DOUBLE POWER CONDENSING MARINE ENGINE, quite new, but ministed, with cast-from framing and side beams; cylinder 35 inches diameter, 35 feet troke; 91-horse power, with 7 lbs. pressure on the square inch—no boller; and suitable or the same purposes as Mo. 1.

Mor3.—A DOUBLE FOWER CONDENSING LAND BEAM WINDING ENGINE; yilinder 35 inches diameter, 45 feet stroke; hand gear, with button valves, parallel molon, dry-wheel, weagon boller, with all its fittings; door; grate, head-plates, &c.; two spinping water from two lifts of pumps 100 yards deep, two rope wheels, suited for fast institute, apparatus to throw in and out of gear, pit-head pulleys, &c., 32-horse power, with 180. 4.—A NEW DIRECT ACTION ENGINE, double power, suitable for a corn—full, re winding in a coal or lead mine, with improved spring packing for piston; ditto ditto or nozale valves; cylinder 15 inches diameter, 35 feet stroke, 28-horse power, with 30 lbs. ressure on the equare inch—no boller.

or winding in a coal or lead mine, with improved spring packing for piston; ditto ditto for noesile valves; cylinder 15 inches diameter, 34 set stroks, 38-burse power, with 35 lbs. pressure on the square inch—no boiler.

No. 5.—A DOUBLE POWER LAND BEAM ENGINE; cylinder 204 inches diameter, 4 she stroke, silde valve, parallel motion—no boller, and quite now; 52-borse power, with 36 lbs. pressure on the square inch, and suitable for the same purposes as No. 1.

No. 6.—A DOUBLE POWER BEAM WINDING ENGINE; cylinder 15 inches diameter, 35 set stroke, with a cust-iron portable frame, alide valve, hand gear, porallel motion, sat-rops wheel, spur and pinion wheels for the same purposes as No. 1.

No. 7.—A SECOND-HAND PUMPING ENGINE, with cylinder 48 inches diameter, 7 feet stroke in the house and the same in the pit, with air-pump, condenser, hand gear, claters, &c., pumping three lifts of pumps 100 yards; working barrels 14 inches diameter—no boiler; 100-lorse power, with 7 lbs. pressure on the square inch.

No. 8.—A NEW DIRECT ACTING DOUBLE POWER HIGH-PRESSURE STEAM-ENGINE; cylinder 2 inches diameter, 2 feet stroke, alide valve, aliding parallel motion, with grate, door, boiler and fittings complete, with winding apparatus and pt-head and pulley, and was issay at work, for about four months, on a pit 100 yards deep; 10-horse power, with 35 lbs. pressure on the square inch.

THREE SECOND-HAND CYLINDRICAL BOILERS, little worse than new, 44 feet diameter, and 35 set in langth, with splantend ends, and now in thereagh repair, and suitable for any of the above engines.

ONE PAIH of 90-horse power engines, and age now in thorough repair.

NEW BOILERS, of any shape, can be MADE at a shert notice, to suit any of the above engines.

er information apply to EYTON & CO., MOSTEN FOUNDAY, NEAR HORSWILL'

EXTENSIVE IRON-WORKS FOR SALE,

BY PRIVATE BARGAIN,

THE BLAIR IRON-WORKS,
ging to the Ayrshire Iron Company, with the whole MINERAL FIELDS held by
id company, under favourable leases, including the MALLEABLE IRON-WORKS,
italiately adjoining, so far as erected—all as particularly described in former advermins.—There is a large STOCK of IRONSTONE on the ground, which may be had
institute.

t a valuation.

For further particulars apply to Mr. Biggart, at the works; Mr. Watson, 32, and Mr. crown, 35, 6t. Vincent-place, Glasgow; Mesers, M'Clelland and Mackenzie, accountants, sero; Mesers, Gibson-Craig, Dalziel, and Brodie, W.S., Edinburgh; or Mesers, Montomeric and Fleming, writers, Glasgow—the last being in possession of the title-deeds. Glasgow, June 20, 1849.

VALUABLE AND EXTENSIVE MINES OF COAL AND INCONSTONE.

TO BE LET, ON LEASE, on most advantageous terms, the COAL and IRONSTONE under a very large tract of land, in the purish of RUABON in the county of DENBIGH, adjoining the Shrewsbury and Chester Hailway.

The proprietors of the ESTATES on which the Ponkey and Aberderiyn Iron-Works were formerly carried on, have made arrangements TO LET BOTH PROPERTIES TOGETHER, which will give the lease of them facilities to carry on a lucrative business very rarely to be met with.

The COALS and IRONSTONE on these ESTATES may be raised at very much as than an average cost, and the quantity proved in them (besides what are under a very large portion of one of them, in which there is no doubt they will be found) is estimated will supply iron-works with materials to make 400 tons of pig-tron weekly for upwards of 30 years, as well as 50,000 tons of the much and justity-celebrated Yard and Wall and Bench Coals per annum for sale, for the same period.

Frinted particulars of the property, and lithographed plans of the estates, showing the miserals under them, with calculations as to the sepanes of making iron from them, as compared with that of manufacturing it in Staffordshire, may be had upon application at the office of the Missing Journal, 36, Felet-street; and at J. Boydell's, 54, Threadneedle-street, London; and at Measrs. Longeville and Williams, solicitors, Oswestry.

Oswestry, June 6, 1849.

TO BE SOLD, BY PRIVATE TREATY, all those MINES of COAL and IRONSTONE, and other the MINERALS lying under an ESTATE trate in the hamlets of CHELL and THURSFIELD, in the parish of WOLSTANTON, the county of STAFFORD, called

Containing, by a recent admeasurement, 169 acres, statute measure, or thereabouts, with all unal rights of working, getting and taking the same. These mines are of very considerable value, and lie in the mids of a populous neighbourhood, within half a mile of Golden Hill, one mile from Tunstall, three from Burslem, five from Newcastle-under-Lyne, and seven from Congleton. They are accessible by good roads on all sides. The Staffordshire Potteries are very near them, and the North Staffordshire Railway passes within a short distance from them.

Further particulars may be obtained on application to Messrs, Beamont and Urmson, oblicitors, Warrington. TURNHURST.

TO COAL, COPPER, IRON, CHEMICAL, and other MANUFACTURING COMPANIES TO COAL, COPPER, IRON, CHEMICAL, and other MANUFACTURING COMPANIES.

TO BE LET, ON LEASE, for a term of years, as may be agreed on, a most extensive COAL-FIELD, of the first quality; a FARM, of 240 AGRES of GRASS LAND, with a good commodious DWELLING-HOUSE and attached DFFICES, WALLED GARDEN, STABLING for 50 or 50 horses, from 20 to 30 WORK-MEN'S COTTAGES and GARDENS, most eligible sites for the erection of Copper, Iron, being close to the mavigable river Neath, and only five miles from Swansea.

Mr. W. Hunter, at Briton Forry, near Neath, will show the lands and coal; for exciculars apply to Mesars. Adam Murray and Son, surveyors and land agents, 35, Craventreet, Strand, London.

JAMES BOYDELL, LAND, MINE, AND MACHINERY NO. 54, THREADNEEDLE-STREET, LONDON,

MAS TO DISPOSE OF THE PARTY OF

heets of iron.

Also, ONE for the AMALGANATION of STEEL and IRON—in the progress of the natural control of the latter, by which a great saving may be effected in the cost of making

manufacture of the latter, by which a great saving may be effected in the cost of maning edged tools.

The LEASE of a very celebrated FOUNDRY and ENGINEERING ESTABLISHMENT, on the River Dee, complete, with fixtures, machinery and tools, in working order, and ready for any parties to embark at once on building first-class from ateam-vessels, and marrine and locomotive engines.

The above will be found worthy the attention of any parties desiring to invest money in a profitable business, as they will be disposed of upon terms which will ensure an unsual return to the purchasers of them.

Also, SOME COAL and IRONSTONE MINES, FREESTONE QUARRY, and a large FREEHOLD ESTATE.

Also, STEAM-ENGINES and MACHINERY, of all descriptions, and which he is enabled to offer at very moderate prices.

Also, SHARES in a well-known valuable SLATE QUARRY, in CARNAEVONSHIRE.

Also, SHARES in a well-known valuable SLATE QUARRY, in CARNAEVONSHIRE.

Also, SHARES in, or the whole of, a GAS-WORK, which supplies exclusively a populous town in Shropshire, and which can be greatly extended.

s town in Shropshire, and which can be greatly extended. Particulars of the above may be had, upon application, at 54, Thread

TO ENGINEERS, BUILDERS, AND ARCHITECTS.

JAMES BOYDELL, 54, THERADREEDLE-STREET, having been a very large manufacture of machinery and irregular shaped iron, and having accomplished the rolling of some descriptions of the latter, though the many to have been impracticable, will be happy to ASSIST any ENGINEERS, SHIPBUILDERS, and ARCHITECTS, in the planning of the details of what IRONWORK they may have occasion for, or bringing to perfection any invention in machinery, as well as procuring such materials for the purpose as they may remainer.

DUISBURG IRON-WORKS AND MINES

Managed in England according to the principles of the "Cost-book System," and in

Prussia as a Societie in Commanditie, under laws limiting the liability of the shareholder their personal subscription. Company's Offices, 28, Moor

COMPAN

Company's Offices, 28, Moorgate-street, City.

ROWASLATE COMPA

TREVALGA, CORNWALL.
6000 parts, or shares, of £5 per part, or share (all peld), whereof 2300 parts, or shares, of £5 per part, or share (all peld), whereof 2300 parts, or are officed to the public.

NOW IN WORK ON THE "COST-BOOK" PRINCIPLE.

The QUARRY is situated on the CLIFFS, within one mile of the port of Bos vessels load at the quarry during three-fourths of the year.

The SLAFE forms a remarkable exception to the general constitution of this rand whilst its applicability to the several purposes of reofing, flooring, and the use takins of the grey, blue, and other slains, a new series or stillities has been deathed irrectors (by a gentleman who has, in consequence, been appointed superir engineer to the company), whilch will extend its applicasion in a variety of preparance to the company), whilch will extend its applicasion in a variety of preparance that the property of the company of the present of completely novel character of uses.

A PATENT is in course of completely in, for the purpose of accurage to the sharin this undertaking the excitative benefits to be derived from one of the present age.

Prospectures, and all other information, may be obtained at the offices of thece.

Transchanged extree, where mercinenes of the sharin may be assess to the desire where the season to the company of the sharing the state of the sharin

57, Threadneedle-street, where apecimens of the slate may be smally or to the solicitor!

John Chapple, Esq., 79 A, Aldermanbury.

Prospectizes as a small be at the office o,
London, May 16, 1849.

the Mining Journal, 26, Fleet-street.
London, May 16, 1849.

NOTICE.—WENHAM LAKE ICE SUPERSEDED!
(BY ROYAL LETTERS PATENT)

MASTERS AND CO. 'S PATENT SHERRY COBBLER
FREEZING AND COCLING JUG.

By this Patent Jug, sping water is congessed into the purest los, or the table or sideboard, for Sherry Cobblers, &c., in FIVE MINUTES, at the cost of Twosance. The public is respectfully invited to see the process of this activary dinary and useful filtering, as
actually BOLLING WATER OAN BE CONVERTED INTO ICE without the sid of lost
Fatentees of the Freezing Machines (by which 20 to 100 quarts of Descri for eight be
made in a few minutes, and Rock Ice at the same time, and Wine cooled, Cooling Decantary, Refrigorators, Butter Coolers, and Percelators. By this less-mentioned ratiols a
bottle of whic, &c., can be cooled in a minute without see, for one halipeanny.

MASTERS & CO.'S IMPROVED AFPARATUS FOR MAKING PORE SODA WATER, LEMONADE, NECTAR, and all AFRATED WATERS.—This apparatus needs only
to be seen to be appreciated. Frice 26a.—MASTERS & CO., PATENTES,
294, RECENT-STREET, AND 7, MANSION-HOUSE-STREET, CITY.—Also

MASTERS & CO.'S PATENT BOTARY BUFF KINFE CLEANERS, which will clean
and polish, equal to new, twolve knives in one minute, without noise or dox.

The various processes shown th Masters and Co.'S show Rodoms, 294, Regent-street, and
7, Mansion-house-street, City, and may also be seen at the Royal Botanic, Zoological, and
Colossoum, Regent-street, and 7, MANSION-HOUSE-STREET, CITY.

Street

Street

PROCESS

L OANS ON DEBENTURES.—The CALEDONIAN RAIL-WAY COMPANY are prepared to RECEIVE TENDERS OF LOANS, in sums not less than £500.—Applications to be made or addressed to this office. 139, George-street, Edinburgh, May 30, 1848. D. RANKINE, Treasured

TO COALOWNERS, MANUFACTURERS, COI TORS, AND OTHERS.—STRAM-ENGINE FOR SALE. TO BE SOLD, BY PEIVATE CONTRACT, a CONDENSING BRAM 100-horse power, suitable for drawing coals, hauling waggens, or pumping ngine is quite new, having never been erected.—Address Mr. Thomas Murra-street, Fence Houses, Durtham.

MANAGER OF COAL AND IRON MINES. IMMEDIATELY, a PERSON competent to undertake the MANAGEMENT Of Land IRON MINES in the NORTH of IRELAND. The coal natios are partially ted, and when they are in full work, it is proposed to commence the manufacture of the applicant must be qualified to superintend the erection of the necessary works etters, with real names and address, stating how long and in what piace the applican been employed, to be addressed to "A. B.," No. 18, Great Coram-street, Russell re, London.

WANTED IMMEDIATELY, a SECOND-HAND WIND-ING STEAM-ENGINE for COLLIERY USE—from 6 to 8-horse power.—Apply by letter) to Mr. H. Williams, mineral engineer, 61, Moorgate-street, London.

TEAM-ENGINE—15-horse power.—FOR SALE, an excel-lant CONDENSING STEAM BEAM-ENGINE, by Boulton and Watt, with sip whoel (five tonia), pump, is seam cliest, cold water pump, and siple to well—stone and brief foundation—three flights of stone steps, and apparatus; now lying at Old Barge-house Blackfriars.—Price £100.

ENGINE FOR SALE, BY PRIVATE CONTRACT—A 40inch cylinder ENGINE, with boller, about 10 tons, in excellent condition; it is toated within 2 miles of a sea-port.—Also FOUR HUNDRED TONS of PITWORK, of arious sizes, and several CAPSTANS, SHEARS, ROPES, and GHAINS.

For further particulars apply to Mr. Henry Burgess, Camborne, Cornwall.

FOR SALE, BY PRIVATE CONTRACT, a 36-inch cylinder STEAM-ENGINE, with boiler, 9 tons.—For particulars apply to Mr. Henry Cox. Marazion, Cornwalt; or to Capt. Hugh Stephens, Gwinger, near Camborne.

TALUABLE STEAM-ENGINES FOR SALE.-TO BE SOLD, BY PRIVATE CONTRACT, a very excellent 70-inch PUMPING ENGINE, with two boilers, and every other requisite, complete.—Also a 32-inch STAMPING ENGINE, with or without boiler or stamps.

For particulars apply to Mr. T. H. Edwards, Helston.—June 25, 1849.

VALUABLE AND SAFE INVESTMENTS.—Mr. H. B. RYE invites the attention of CAPITALISTS to the following LIST of MINING INVESTMENTS, and will be pleased to give every LOCAL and other INFORMATION on application at his OFFICE, No. 77, OLD BROAD-STREET.

Mines. Price per Div. p. ahare ahare. per annam, Wheal Trelawny ... \$70 ... \$13 Wellington Mines ... 374 ... \$4 Trehane ... 25 ... 92 Wheal Providence ... 18 ... 6 7 Tamar Consols ... 4

MINING PROPERTY.—Mr. JAMES HERRON, MINE AGENT, 33, CLEMENTS-LANE, LOMBARD-STREET, has received instructions to DISPOSE of SHARES in FIRST CLASS MINES, paying regular dividends, and yielding to the purchaser from 174 to 25 per cent. upon his outlary. He is also in a position to transact business in the following—viz.; Trelawny, Mary Ann, Great Devon Consols, West Caradon, Tamars, Treleight, Altions, Bedfords, H.Imbani, South Toglas, Congdurrow, Trethellan, St. John del Rey, North Pool, Keswick, West Scion, & Rhymney Iros.

MR. EVAN HOPKINS, C.E., F.G.S., CONSULTING ENGINEER AND INSPECTOR OF MINES,
May be CONSULTED DAILY (by letters) on all subjects connected with MINING PROPERTY, both Home and Foreign.

BARRINGTON-ROAD, BRIXTON.

MR. C. S. RICHARDSON begs to announce that he REMOVED his OFFICES from Whitefriars-street, Fleet-street, to 15, OLD BROAD-STREET, CITY.

JAMES LANE, MINING SHARE DEALER, 80, OLD BROAD-STREET, LONDON. 2/2

CONSOLIDATED COPPER MINES OF COBRE AS

CIATION —Notice is hereby given, that the HALF-YEARLY GENERAL MEET-ING of proprieters of this association will be HELD at the office of the company, No. 26, Austinfriars, on Tuesday the 17th July next, at One o'clock precisely. By order of the court of directors, 96, Austinfriars, June 29, 1849. WM. LECKIE, Secretary DOYAL SANTIAGO MINING COMPANY.—The directors hereby give Notice, that the ANNUAL GENERAL MEETING of the shareholders will be HELD at the office of the company on Wednesday, the 11th of July next, at One o'clock precisely, when the directors will make their report.

38, Broad-street-buildings, June 29, 1849.

PAMAR SILVER-LEAD MINING COMPANY.

THRTEENTH DIVIDEND.

Notice is hereby given, that a DIVIDEND of TEN PER CENT. has been declared by the directors upon the paid-up capital of this company, PAYABLE on Wednesday, the 11th proxime, and succeeding Wednesdays, between the hours of Twelve and Four. The certificates are required to be left at the office two clear days, in order to be examined and marked.—44, Finsbury-equare, London, June 21, 1849.

UNITED MEXICAN MINING ASSOCIATION.—
is hereby given, that the HALF-YEARLY GENERAL MEETING of
this association will be HELD at the office of the company, No. 5, Finsbury
Wednesday, the 25th day of July proxime, at One o'clock precisely, when the
three directors and one auditor will take place.
Directors going out by rotation—Henry Bunster, Eq.;
And who, being eligible thereto, are candidates for re-election.
Candidate for the vacancy in the direction caused by the retirement of July
Sey—Goseph Tasker, Eq. of Middleton Hall, Brentwood, Essex.
The transfer books will be closed on the evening of the 12th, and re-opened of
fully.

By order of a court of directory.

The transfer books will be closed on the evening of the 12th, and re-opened on the 95 f July.

By order of a court of directors,
5, Finsbury-circus, London, June 28, 1849.

JOHN MATHER, Secretary.

BICKFORD'S PATENT SAFETY FUSE.—The Patentees of the ORIGINAL, and only real, SAFETY FUSE, beg to inform Merchan Mine Agents, Railway Contractors, and all persons concerned in Blasting Operation that, for the purpose of protecting the public in the use of a geneine article, the PATEI SAFETY FUSE has now a thread corought into its centre, which being patent right, fallibly distinguishes if from all instations, and onaures the continuity of the gauge-with a Safety Fuse is now protected by a Second Patent, and mannafectured by greatly proved machinery.

BICKFORD, SMITH, & DAVEY, Camborne, Cornwall

WIRE ROPE.—The Undersigned beg to inform the public, that they have become SOLE LICENSEES of Mr. ANDREW SMITH, for the MANUFACTURE and SALE of his PATENT WHE ROPE; and having fitted their premises with his very superior improved machinery, have only to assure those who may havour them with their orders, that the same care and attention shall always be besowed which, they have reason to believe, has secured them such general support.

LIGHTNING CONDUCTORS, SIGNAL CORD, and SASH LINE, always in stock.

Patent Wire Rope Works, No. 39, High-street, Wapping.

PORTER'S PATENT CORRUGATED IRON BEAMS, GIRDERS, and FIRE-PROOF FLOORS.—These BEAMS and GIRDERS are thout 30 per cent. lighter, and 30 per cent. cheaper, than any others of wrought-iron.—The FIRE-PROOF FLOORS, although not more cently than those of cast-tron, with wrick arches and comerée, give greater security from fire, with less than one-teath of the reight.—MANUFACTORY—IRON BUILDING & ROOFING WORKS, SOUTHWARK, OFFICE—3, ADELAIDE-PLACE, LONDON-BRINGE, CITY.

NDURATED AND IMPERVIOUS STONE, CHALK, &cc.

—AGENTS, with capital, are WANTED in all TOWNS to SUPPLY (under British and Foreign Patents) the great demand for HUYCHSONISED MATERIALS—hard a granite, impervious to moisture, vernite, &c., the cleaspest and need durable for all buildings, hydraulic, paving, monumental and decorative work.—The profits are largest chapter to HUYCHSON & CO.

mple Chambers, London, or Tunbridge Wells, Each at command.

-House cured of damp. The produce of set stone of cod, pasteboard, and all absorbent material industrial LICENCES GRANTES.

Proceedings of Public Companies.

MEETINGS DURING THE ENSUING WEEK. MEETINGS DURING THE ENSUING WEEK.

Autrian Mining Company—offices, at Two.

Eastern Counsties Rallway Company—London Tavern, at One.

South Wheal Josiah Mining Company—Queen's Head, Tavistock, Two.

Colonial Banking Company—Coffices, at One.

Legal and Commercial Life Assurance Company—offices, at Twelve.

Hungerford Market Company—offices, at One.

Legal and Commercial Life Assurance Company—offices, at Twelve.

London Docks Company—offices, at Eleven.

Anglo-Mexican Mining Company—offices, at Twe.

Clergy Muning Company—offices, at Two.

Levis Mining Company—offices, at Two.

Clergy Munical Assurance Society—offices, at One.

Hining Company offices, at Two.

Mining Company—offices, at Two.

Royal Exchange Assurance Company—offices, at Two.

[The meetings of Mining Companies are inserted among the Mining Intellig

BANK OF AUSTRALASIA.

BANK OF AUSTRALASIA.

The fifteenth annual meeting of this bank was held at the office, Austin-friars on Monday last, the 25th inst.—G. H. Foster, Esq., in the chair.

The Secretary (Mr. Milliken) read the report, from which it appeared that in the general condition of the colonies the directors looked forward with confidence to considerable improvement. Their productions were yearly increasing, both in variety and importance. Population was rapidly extending; and emigration, which was now going forward on an extensive scale from this country, as well as from Germany, must ere long exercise a beneficial influence on the position of the settler, and develope still further the natural resources of the colonies, although the emigrants which had arrived at the date of the last advices had not been sufficiently numerous to produce any material impression on the price of labour. The business of the establishment during the year had been autisfactory. At Port Phillip there was a steady and profitable increase, and the mineral wealth of South Australia had brought an accession of business to the Adelaide branch. With reference to the debt due by the Bank of Australia, an amicable arrangement had been concluded with a considerable number of the shareholders in this country, from whom the sum of 54,0004 was received; and as the most ample forbearance had been exercised, legal proceedings were instituted against those who failed to avail themselves of the opportunity afforded them of coming to a similar arrangement. At Sydney, the directors of the Bank of Australia promptly adopted measures for the liquidation of the debt, and up to the 14th February, when the last advices left the colony, the sum received amounted to 51,0004, making, together with the amount received in London, a payment of 105,0004 on account. The assets and liabilities stood as follows:—

Secretar

Government

Bed debt fand

Rad dept regret to the directors to find themselves compelled to suspend for so long a period the payment of dividends, and they had carefully directed their attention to the subject, with an anxious deare to arrive at a sound conclusion as to the propriety of an early resumption; and, accordingly, they felt themselves justified in announcing their intention to pay a dividend of 12s. per share, free of income-tax, on the 1st of October next.

A long discussion took place on the subject of the bad debts, the balance due from the Bank of Australia, and other matters, after which the report was agreed to. A resolution, approving of the appointment of auditors, was moved by Mr. J. Wilson, and seconded by Major Bayas. This led to a long discussion, in which the directors (Messrs. Foster, Brownrigg, and Farrer) pleaded the inutility of auditors, and such an appointment being contrary to the deed; but the meeting was not to be diverted from the good old custom, and the resolution was, therefore, passed by a majority. A further discussion then took place on various points, when the Charraman assured the meeting that counsel's opinion would be taken as to the possibility of the appointment of auditors.

Mr. Wilson suggested that, in case it were against the appointment, a special meeting should be convened for altering the deed to that purpose.

A vote of thanks was passed to the directors, and the meeting adjourned.

SOUTH AUSTRALIAN BANKING COMPANY.

£23,800 4 3

9,290 16 4

| Max Total £206,936 12 7

The balance sheet was also read to the meeting, and a detailed statement of the accounts was laid on the table.

Mr. Miller said, it was impossible at a meeting like that to follow the figures as read by the manager. They ought to have copies of them presented to the shareholders on coming into the room, like in other companies.

The Charmans said, the accounts had been open to the inspection of the chareholders as soon as the directors could make them up. There was a feeling expressed at a former meeting, that the accounts, when so prepared, should be spen for the impection of the proprietors at the office of the company.

Mr. Miller observed that it was a suggestion of Mr. Poynder, but it was not understood that they were not to be presented to the shareholders at the meeting. The CHARBMAN said, they had been ready for the impection of the proprietors since last Saturday afternoon, which was as soon as they could be got ready. Mr. Miller thought it would be admitted that the proprietors ought to be in complete possession beforehand ef all that was to come before the meeting. He hoped the directors had no inducement to keep anything back.

The CHARBMAN said, the board had acted in compliance with the expressed with of the leat meeting.

Mr. Miller thought it would be admitted that the proprietor or an in complete possession beforehand of all that was to come before the meeting.

He hoped the directors had no inducement to keep anything back.

The Chairman said, the board had acted in compilance with the expressed wish of the last meeting.

Mr. Hitchion said, it was impossible for him then to go into the accounts. He had come 219 miles to attend this meeting; but if the accounts had been sent down to him, he might have looked over them on Sunday morning, or in the railway carriage, and been more prepared for the business of this meeting. (Hear, hear.) He hoped they would not again be kept at this meeting for four hours, and afterwards have some point of law communicated to them to upset their proceedings; if any such thing were intended for this meeting, he hoped they might know it at once.

The Chairman replied, that the hon, proprietor had travelled here at his own desire to attend the last meeting, and had assisted in calling it; and that, if it had been discovered that in doing so he had acted contrary to their laws, he could not find fault with the directors.

A PROPERITOR said, if they had been informed at once that there was an opinion of the Attorney-General that the meeting was perfectly illegal, there would have been an end of the matter at once.

The CHAIRMAN observed that, if he had done so, he might have been charged with a desire to stifle discussion, and any complaints on the part of the shareholders; the directors were in the horns of a dilemma—they were obliged to adopt that course to save any complaint of their stifling discussion. (Hear.)

The Rev. T. Thurson saw two or three things in the present report which claused him gratification. In the first place, there was a more full statement of the accounts, and, secondly, there was to be a list of the shareholders appended to the report, with their addresses and number of votes. Had this course been adopted in the former year, it would have prevented a great deal of opposition.

the motion.

A long discussion then took place on various topics, in which Mr. Bevan, Mr. Mills, Mr. Todd, the chairman, Mr. Miller, Mr. Watson, and others, took part, when the report was adopted unanimously. A dividend after the rate of 6 per cent. per annum was agreed to unanimously. The retiring directors and auditors were re-elected.

ditors were re-elected.

The CHAIRMAN moved a vote of thanks to Mr. Wheeler, the London Manager, to Mr. Stephens, the colonial manager, and to the local board of directors. Mr. Miller, who had taken a very antagonistic part throughout the business, expressed his willingness to second the above motion.

Mr. WHEELER returned thanks for himself, Mr. Stephens, and the local directors. He had been instructed on the last occasion, when the vote of thanks was passed to Mr. Stephens, to return thanks; and in doing so now he had no doubt he should give increased pleasure to his friend Mr. Stephens, as well as the local directors, whose value to this bank could not be too highly appreciated.

A vote of thanks was then passed to the worthy chairman and directors, and the meeting separated.

SOUTH AUSTRALIAN COMPANY.

SOUTH AUSTRALIAN, COMPANY.

The 13th annual meeting of this company was held at the offices, New Broadstreet, City, on Wednesday, the 27th inst.

J. R. TODD, Esq., having taken the chair, Mr. D. M'LAREN (the manager) read the report of the directors, which was of considerable length, and highly important to the public, as well as to the proprietors. From this document we make the following selections in the words of the report:

The colonial accounts to the 31st October last have been received, and approved by the board. They include particular inventories of the company's property, which amount to 309,843. So. 8d. Very satisfactory progress continues to be made in leasing the resi property belonging to the company. The following were the receipts, as per the rent rulls, for the year ending 29th September last.

Annual rental of town property £1846
Ditto ditto of port buildings 2239
Not receipts from whart during the year 1761
Annual rental of country lands 5186 The amount of revenue from these sources, for the year ending 29th Sept., 8,542 2 4

To this increase the respective properties contributed in the following proportions—
The town property £85 6 10
The port buildings and wharf 1136 6 9
The country lands 1270 19 1

Despatches from the colonial manager of the 30th January inform us of further leases effected up to that date, affording an increased annual rent of 1984i. 2s. 2d.

Of this there arises from the town property. £120 0 0 Ditto ditto from port ditto 2800 0 0 Ditto ditto from country lands 1604 2 2

There is thus already secured an annual rental (including the receipts from the whar at 18,000L, with a certainty of a rapid continued increase. The town property yieldit that additional rental of 120L consisted of four acres, at 30L cach, on building leases of i years, without any stipulation of a right of pre-emption. 123L of the additional amour receivable from the port property arise from leases of small portions of land, comprisin in the aggregate only about one acre. And so great has been the increase of business: the port, that the returns from the wharf and warehouses there, for three months ending list January last, awounted to 1368, 4s. 2d. A considerable proportion of the countral lands lately leased was at the rate of 7s. per acre, while the whole of the additional lease reported by the colessial manager to 30th January last, average rather more than 6s. pe acre. As such leases are regularly effected, it is obviously the policy of the company in to sell their lands, but to wait patiently for their occupation, and the consequent increas of our rent rolls. Mr. Glies has accordingly been instructed not to sell any improvin property, except at a large advance on his valuations in the preceding inventory. In cost formity with these instructions, he sold, during the year ending 31st October last, on entire town acre, and portions of 12 others. These sales of town lands and the valuatio of the unsold portions (which there is reason to believe is in proportion to the prices of ained for the portions sold), yield an advance on the

589 1 0

£3283 3 9

£1647 19 0 3624 6 7 The net proceeds of wool amounted only to

£5989 9 10

In consequence of the extremely low prices extained for fat cattle, the colonial man ordered 25 head to be boiled down for tallow. The tallow was sent to London for but he fill not require to wait for the actual result of the sale to see that that you would not answer. The tallow proved of good quality, and was received here in condition, but the market then was, and still is, in so dail a state, that the Board is plat at the experiment was thus limited. The following is the summary of the revenue the last year from the various departments on uncerated in the previous part of this rep

The total current expenses in the colony during the last year, exclusive of those con-nected with the mineral operations, were as follows :—

£9019 12 4

The total amount of salaries and charges in London, during this last year, amount to £1746 14 9 Interest on debentures, &c. 691 9 7—2368 4 4

Mith respect to the company's mines, the report of Mr. Joseph Remfry, the mining captain engaged by the board, spoke thus:—"After all that I have stated, I wish to be perfectly understood, that I believe the Kanmantoo Mine to be a most lasting, rich, and productive concern, but it will take some time before the mine will be got into a practicable course of working." He adds, "There are several other places in the South Australian Company's lands which deserve the miner's attention. the Bremer Mine for one." His subsequent reports confirm these favourable views.

Results of the most favourable kind may be confidently expected from the establishment of smelling-works in the colony, and these are no longer problematical, but cortain—The first of these has been erected by Messrs. Thomas on our own lands, in the financial to the most favourable kind may be confidently expected from the establishment of smelling-works in the colony, and these are no longer problematical, but cortain—The first of these has been exceed by Messrs. Thomas on our own lands, in the financial to copper, which has been assayed here, and found to contain from 96 to 97 per cent. pure copper. It has been assayed here, and found to contain from 96 to 97 per cent. pure copper. It has been saled at 68/, per ton, while the current price of tile copper (the kind of which that small lot consisted) is 734. 16s. The difference in price is not more than might be expected, when the disadvantages necessarily attaching to the first product of a small colonial establishment, compared with the copper produced in first product of a small colonial establishment, compared with the copper produced in first produced of a small colonial establishment the copper and sense to the produced in the course of rection, not by coal. The same quantily of copper has been sensity by the colonial manager to Sincapore and Batavia to try these markets. Extensive smelting-works are in the course of rection, and any produced on Napier's patent. They intend to erect another work a

The accounts were also read to the meeting.

The CHAIRMAN said, very few observations were necessary, for the directors had endeavoured to give the fullest explanations in the report just read to the meeting. The expectations held out last year had been fulfilled as nearly as circumstances would permit. It was true that they had met with some loases; for instance, on their wool operations; but in this they had only suffered like other flock owners adjoining. The difficulty would be surmounted by getting rid of the flocks themselves as soon as possible. (Hear, hear.) The money expended in the investigation of the mineral lands would no doubt be found to have been most profitably applied. It had shown the value of the copper on their lands, some of which averaged about 24½ per cent., and was, therefore, as valuable as any ore which had arrived in this country from South Australis, excepting the Burra Burra. Still the proprietors must look to the ravanue from their town and country lands as the legitimate return for their capital, instead of from anything that they might possess of a speculative character, As to the working of their mines, the directors would cease doing so, as soon akother parties would undertake them. At the same time, the agents were working as cautiously as possible, and the works of the company were confined to those parts only from which returns of ore were derived. The directors had borrowed a little money in the colony, for which they paid a much higher rate than they ought to do in the present easy state of the money market, as their security was really as good as that of the Bank of England. Under the circumstances, he threw out the hint to those of the proprietors who were monied men, that a small sum—say about 19,0002, at 4 per cent.—would be of service in getting rid of that incubus, and placing the company in an easier position. He (the chairman) then concluded by moving the adoption of the report.

Mr. Miller, the Rev. Mr. Timen, and Mr. Hitchon, spoke in favour of the report being

The CHAIRMAN said, if such a wish were expressed by the shareholders, the directors could have no objection.

The Rev. Mr. Thason complained, that although they had an advance of 7000L over their previous revenue this year, yet there was no increase of the dividend, which caused him much dissatisfaction.

The CHAIRMAN said, still there was not a sufficient surplus to give an increased dividend; for they had been suffering a loss on their wool, besides the expenditure in the mineral lands. There was no difficulty in giving an increased dividend; but he never would be a party, as chairman of a company, to agree to give a dividend that was not fairly earned. (Hear, hear.) They must be aware that a great part of their land was still unproductive; they had at the present moment 100 town acres, and 20,000 country acres unproductive.

had at the present moment 100 town acres, and 20,000 country acres unproductive.

Mr. Hitchen said, the hon. proprietor (Mr. Timson) had complained of mismanagement. Now, he should like him to point out where it had existed.

Mr. Fussell (a director) said, he should like the hon. proprietor to point out a remedy to what he complained of.

Mr. Miller would like to know what they expected to get back in return for the money expended in the mineral lands?

Mr. Divett, M.P., said, it was expected that the ore discovered would repay, with a fair deduction for preliminary expenses. (Hear, hear.) He had the highest opinion of their mineral lands. The Burra Burra had paid 800 per cent. on the capital invested in the course of one year only. He believed that would go on for two or three years. There was nothing improbable that something of the sort might be met with on the lands of this company.

Mr. Argas had no doubt that, when it was known in the colony of the rise in the price of wool, a demand for sheep would take place, and, consequently, afford them an opportunity of selling their flocks advantageously.

Fig. 2.

Fig. 3.

The report having been adopted, Messra. Foster and Fussell were re-elected rectors, and Messra. White and Richards auditors.

directors, and Messrs. White and Richards auditors.

The dividend was agreed to unanimously.

Mr. Divert, M.P., stated, and the Charman confirmed the statement, that by their deed, shareholders might pay up their shares, and receive 4 per cent. interest per annum. (Hear, hear.)

After some discussion, a resolution, proposed by Mr. Miller, and seconded by Mr. Hardossyle, for the publication and distribution of the report and balance-sheet in future, previous to the commencement of the business of the meeting, was passed by a majority.—The Charman, in reply to Mr. Miller, said the agents had instructions not to work any mines unprofitably, and that they were limited in their expenditure. (Hear, hear.)

A vote of thanks was passed to the chairman and directors, to Mr. M. Laren,

A vote of thanks was passed to the chairman and directors, to Mr. M'Laren the manager, and to Mr. Giles, colonial manager, when the meeting adjourned

PROFESSIONAL LIFE ASSURANCE COMPANY.

PROFESSIONAL LIFE ASSURANCE COMPANY.

An extraordinary general meeting of the proprietors of this company was held at the offices, Cheapside, yesterday, for confirming a resolution passed on the 5th of the present month, for reducing the amount of the shares, and increasing their number, so as to enlarge the basis of the society without diminishing the amount of its capital; thus giving increased accommodation to the public demand for shares in the company.

Major Henry Stones took the chair, when Mr. Winter read the advertisement convening the meeting.

The SOLICITOR then submitted for confirmation the following resolution, as passed at the former meeting:—"That the amount of each of the 20,000 shares into which the capital, or joint-stock, of the company is divided, be reduced from 12t. 10s. to Ct. 5s., and that the sum of 125,000t, being the deficiency in the said capital thereby occasioned, be supplied by the creation and issue of 20,000 new or additional shares of 6t. 5s. each, making in all 40,000 shares of 6t. 5s. each; and that upon each of such new or additional shares shall be issued."

The CHAIRMAN moved that the resolution be confirmed by this meeting.

Mr. Scott seconded the motion.

The CHAIRMAN moved that the resolution be confirmed by this meeting.

Mr. Scott seconded the motion.

The CHAIRMAN congratulated the proprietors on the fact, that upwards of 10,000 of the 20,000 new shares created at the last meeting, had been applied for by the public, and that as soon as this meeting had confirmed the resolution they would be granted to the applicants. (Hear, hear.) He thought it ought to be clearly understood by the proprietors, as well as the public, that the policies granted by this society were indisputable, which was an important feature, in addition to its other advantages. This circumstance had been overlooked by many, although it was stated in their prospectus, as well as in the policies granted by the society were decreased to the society were highly appreciated there, and had he been able t

thanks was passed by acclamation to Mr. Teulon, for his zeal and ability on behalf of the society.

Mr. Teulon returned thanks, and said that he had to thank their talented actuary (Mr. Baylis) for bringing him acquainted with the valuable principles of a society which was so fast rising in public estimation. (Applause.) Mr. Baylis (the actuary) having borne his testimony to the great zeal displayed by Mr. Teulon, made an eloquent speech on the principles of the society, and informed the meeting that the directors had established a board of management at Edinburgh, which was second to none in that metropolis—(hear, hear)—and that the repute of the society had been also greatly acknowledged in Glasgow, and likewise many other parts of Scotland. The actuary urged the members of the society to make it known amongst their friends, and to look to; the importance of its principles to the community at large—namely, provision for its poor and destrute proprietors, indisputability of its policies, and power to transmit its benefits from parents to children and grandchildren—principles which, in his opinion, must render this society one of the most flourishing in the kingdom. (Applause.)

Mr. Harr (a director) moved a vote of thanks to the chairman, which was seconded by Mr. Cooper (a director), and passed unanimously.

Sweet Oil of Turpertine.—We noticed, in the Mining Journal of the 7th April, the discovery of a process of manufacture for divesting spirits of turpentine of its highly offensive and injurious smell, and rendering the operation of painting, either in houses or other buildings, as well as by artists, a source of pleasure, rather than one of universal disgust, to the olfactory nerves. In thus divesting this spirit from its disagreeable effluvia, none of its useful properties are impaired, but it retains its powers of diluting oil paints, eradicating grease spots, cleaning paintings, &c., in all its former strength. A highly superior and novel preparation of this useful spirit has been accomplished, which is invested with a high degree of perfame of various flowers, such as rose, lavender, bergamot, verbena, and in fact about 20 different sorts, which can be used by artists and ladies, for painting, with much gratification, or as a perfume for the handkerchief. Dr. Serny, in his certificate after analysis, states his belief, that the discovery will prove a sure preventive against the common and fatal disease called painters' colic. This beautiful discovery may be considered as a public boon; and we have no doubt the inventor will find this highly useful article appreciated to the full extent of its decisive merits.

Our attention has been called to an entirely new application of wire-work,

article appreciated to the full extent of its decisive merits.

Our attention has been called to an entirely new application of wire-work, by Messrs. Aliday and Son, of Moseley-street, in this town. An eminent architect having communicated with them as to the necessity of fire-proof ceilings for public buildings, and also as to the possibility of substituting wire-work for the ordinary wood laths, Messrs. Allday and Son directed their attontion to the subject, and we understand that many thousand feet of wire-work supplied by them have been successfully applied to the ceiling of the Chester Lunatic Asylum; we have seen a specimen. The work is done in the ordinary straight manner, with wires about \(\frac{1}{2} \) in. apart—the plaster passing so readily through the instertices, as to form an adhesive add serviceable mass on the upper as weil as the lower side. The utility of the plan as a precaution against the ravages of fire is at once apparent, and, we understand, that although it renders ceilings more durable than those constructed in the ordinary way, the cost is by no means great, or ealculated to retard its application. In the case of the Chester Asylum the wire used was galvanised, but in another building of a similar character a different process has been adopted to preserve the wire from corrosion—that of immersing it in a chemical preparation, which has the appearance of black japan. The general practicability as well as simplicity of Messrs. Allday's plan has, we are informed, been recognised by scientific men, and its adoption being unrestricted by any patent right, or registration, further experiments may be made at the discretion of architects or builders.—Midland Counties Herald.

For Inducestion, Stomach, and Liver Complaints, take Holloway's

FOR INDIGESTION, STOMACH, AND LIVER COMPLAINTS, TAKE HOLLOWAY FOR INDIGESTION, STORACH, AND LIVER COMPLAINTS, TABLE HOLLOWAY, LILLS.—Persons suffering from any derangement of the liver, stomach, or the organs of ligestion, should have recourse to Holloway's pills, as there is no medicine known that cat on these particular complaints with such certain success. Its peculiar properties trengthen the tone of the stomach, increase the appetite, and purify the liver. For bowel or many the storage of the stomach, increase the appetite, and purify the liver. For bowel or particular to the soundest he lith and strength. Nerrous or sick headaches, and lowness of spirits may be speedily curid by taking a course of Holloway's pills.—Sold by all ruggists, and at Professor Holloway's establishment, 244, Strand, London.

COAL MARKET, LONDON.

MONDAY.—Buddle's West Hartley 14—Carr's Hartley 13 9—Chester Main 13 6—Dean' Prinnose 14 6—East Adair's Main 12—New Tandield 13 3—North Percy Hartley 13 6—Original Tanfield 11 6—Havensworth's West Hartley 13 9—Water's Prinnose 12—Wylam 13,6—Gibson 14 1—Harton 14 6—Hidds 14—Heaton 14 6—Hedley 14 6—Killingworth 14 Fercy 13 6—Riddeil 14 3—Urpeth 13—Walker 14—Eden Main 15—Lambton Prinnose 19—Bell 14 9—Belmont 15 3—Hetton 16 3—Haswell 16 6—Hutton 14 9—Jonassohns 14 8—Keepier 18 3—Lambton 15 9—Rassell's Hetton 16 9—Stewart's 16 6—Whitwell 14 6—Caradoc 15 3—Heagh Hall 14 9—South Hartlepool 15—Thornley 15—Denison 14 9—South Durham 14 9—Tees 16 3—West Cornforth 14 6—West Hetton 14 9—Compen Hartley 13 9—Hartley 13 3—Liangiennech 22 6—Sidney's Hartley 13 9—Ships, 196; sold, 126.
WEDNESDAY.—Buddle's West Hartley 14—Carr's Hartley 13 6—Chester Main 13 6—East Adair's Main 12—Hartlepool Wost Hartley 13 3—New Tanfield 15 6—Ravens-worth's West Hartley 12 9—Tanfield Moor Budes 15 6—Seymour Tees 16 5—South Durham 14 9—St. Helen's Tees 14—Tees 16 6—West Cornforth 14 6—Cowpen Hartley 13 6—Hartley 13 49—St. Helen's Tees 14—Tees 16 6—West Cornforth 14 6—Cowpen Hartley 15 6—Hartley 13 4—Howard's West Hartley Netherton 14—Sidney's Hartley 13 6—Whitworth Coke 19.—Ships at market, 129; sold, 68.

FRIDAY.—Bate's West Hartley 13 6—Badels's West Hartley West Hartley 13 6—Ravens 14 6—Set 19.—Ships at market, 129; sold, 68.

FRIDAY.—Bate's West Hartley 13 6—Badels's West Hartley 14—Care's Hartley 13 6—Set 19 15 6

worth Coke 19.—Ships at market, 123; sold, 69.

FRIDAY.—Bate's West Harttey 13 G.—Buddle's West Hartley 14.—Carr's Hartley 13 6

—Adair's Main 12.—Hartlepool West Hartley 13 3.—Holywell Main 13 9.—North Percy
Hartley 13 G.—Tanfield Moor 13.—Tanfield Moor Butte's 19.—Walker's Primrose 12.—
Belmont 15 3.—Hetton 16 G.—Haswell 16 G.—Hutton 14 9.—Lambton 16.—Morrise 13 2.—West Hartley 13 9.—Wysma 18 G.—Well's End Brown's 13 3.—Botton 16.—Gloson 14

Hillda 14.—Heaton 14 G.—Percy 13 G.—Riddell's 14 G.—Valtisgoth 14 G.—Belmont 15 3.—Betton 16 G.—Jonasolin's 13.—Lambton 16.—Belmont 16 3.—Betton 16 G.—Jonasolin's 13.—Lambton 16.—Russell's Hetton 16 G.—Williswell 14 9.—Hartleyool 16 G.—Thorniey 15 A.—Lambton 16.—

Russell's Hetton 16.—Williswell 14 9.—Hartleyool 16 G.—Thorniey 15 A.—Martley 13 G.—Hartley 14 G.—Hartley 14 G.—Hartley 14 G.—Hartley 14 G.—Hartley 18 G.—Williswell 15.—Selmont 16.—Selmont 14.—Skiney's Hartley 13 G.—Willworth Coke 19.—Shilpa 156.

IMPROVEMENTS IN SMELTING IRON ORE AND MELTING IRON.

nder, Newport.—Specification enrolled June 16, 1849.]

The general object of Mr. Deeley's improvements is to supersede the use of blowing machines in the reduction of iron ores and melting of iron, and thereby to facilitate and reduce the cost of these operations. He accomplishes this by constructing the furnace in such manner that it shall, so to speak, be its own blower—auxiliary to which end he employs a new and very ingenious sort of hopper, which feeds the furnace without the usual accompaniment of an companiment of an inflow of cold air at a point where it is no wanted, and is always

more or less injurious

wanted, and is always more or less injurious. Fig. 1 is a longitudinal section of a furnace for smelting iron ore, constructed according to this invention. Fig. 2, a vertical section on the line a b (looking from the back of the furnace). Fig. 3, a front elevation, exclusive of the chimney, and with the doors of the air-passages, E E, afterwards mentioned, removed; and fig. 4, a top plan of the part from c to d. A F is the furnace proper, or part appropriated to the fuel and iron ore. It consists interiorly of but one open space from top to bottom, but may be considered with reference to the series of lateral air-passages, E E, and the longitudinal vapour and smoke-passages, B B—which two sets of passages are exactly opposite to one another—as divided transversely into five stories or compartments of gradually diminishing elevation from the bottom upwards, as indicated by the doted lines, 1, 2, 3, 4, 5. Both sets of passages (E E and B B) have doors or dampers attached to them (with the exception of the lowest of the series, E, which is always left open), and each damper is provided with a weighted chain passing over a pulley, by means of which it may be closed or opened at pleasure to any extent required (one series only of these chains and pulleys is shown in the engraving—namely, those attached to the doors of B B, and which are marked D D). G is the feed mouth, which is made of larger diameter at bottom than at top, in order to increase the gravitating tendency of the materials towards the interior of the furnace (A F); H is a barrel hopper, which is inclosed within two semicircular guards or casings, I, and covers lengthwise the top of the feed-mouth, G, so as increase the gravitating tendency of the materials towards the interior of the furnace (A F); H is a barrel hopper, which is inclosed within two semicircular guards or casings, I, and covers lengthwise the top of the feed-month, G, so as to leave as little room as may be for the entrance of air between them. This hopper is suspended from two end axes, or pivots, ff (see fig. 4), on which it is free to turn; and it is made of such a form in its cross section, that the space above the axial line is of larger contents than that below it. On the side, which by this arrangement of the axial line must always be thrown uppermost when the hopper is empty, it is left open, and through this open side the fuel and ore are dropped in. As soon as the hopper is filled, or the quantity of materials in the upper portion preponderates over that in the lower, the hopper turns over of its own gravity, and empties itself into the feedmonth, G, whereupon the hopper immediately returns to its original position, and is ready to receive another charge. The hearth, or bottom of the furnace part (A F), is provided with a dam-fall and tapping hole, K, in the same way as the common blast-furnace, for drawing off the clear metal.

From the preceding description of Mr. J. Deeley's invention, it will be seen, that—by means of the front air-holes, E E, and the smoke and vapour passages, B B, at the back, and the provision made for opening and closing these passages, all, or any of them, and to any extent desired—the heat may be regulated to any degree of intensity, and for any length of time may be regulated to any degree of intensity, and for any length of time requisite, not only within the entire furnace, but at any particular division or compartment of it. For example, supposing the furnace part to be fully charged, and that it is required in the first instance to diffuse a considerable degree of heat shroughout the entire mass, all the front air-passages, E E, are thrown wide open, while the lowest of the doors, or dampers, D D, of the smoke and vapour passages is quite closed, and each of those above it is only partially opened. But afterwards, in order to increase the intensity of the heat towards the bottom, where the ultimate fusion of the metal takes place, the upper doors, D D, are successively closed, or nearly so, and the undermost one, D, which was previously quite closed, is thrown wide open. The smoke and vapours escape from the passages, B B, through the doors or valves, D D, and are conducted by a curved desending passage, L L, into the upright chimney, C.

wide open. The smoke and vapours escape from the passages, B B, through the doors or valves, D D, and are conducted by a curved desending passage, L L, into the upright chimney, C.

Fig. 5 is an external side, or end elevation of a pair of furnaces for melting iron for foundry purposes; fig. 6, a transverse sectional elevation on the line a b, of fig. 5; and fig. 7, a plan on the line c d, of fig. 6.

A A are the two furnaces; one on each side of the common chimney, C. The furnaces are precisely alike, so that a description of one will suffice for both. F is an upright hearth of about 4 feet in length, 3 feet in width, and 4 feet in depth from front to back. On this hearth the fuel is laid. B B are air passages, which are made in the sides of the hearth, and provided with one-way taps or cocks, c'c', by which they may be opened or closed as required. D is an aperture at the bottom, which is stopped with sand or clay, and E, a tapping hole formed therein, through which the hearth is cleared in the same way as the ordinary cupola furnace. G is an inclined plane or ledge, on which the iron to be melted is laid, and over which the heated vapours ascending from the hearth pass in their way to the chimney, C. H is an arch which subtends in its span both the hearth, F, and the inclined plane, G, and forms the space between G and H, into a sort of oven for the heating of the metal. The fuel and metal are supplied from a mouth-piece, L, and barrel hopper, M, of the same description precisely as those employed in the furnace first before described; that is to say, each charge of the hopper, L, consists partly of coke or other fuel, which is placed at the end, which comes immediately over the hearth, and partly of metal, which is placed at the other end,

described; that is to say, each charge of the hopper, I., consists partly of coke or other fuel, which is placed at the end, which comes immediately over the hearth, and partly of metal, which is placed at the other end, which comes immediately over the hearth, and partly of metal, which is placed at the other end, which comes immediately over the inclined plane or ledge, G. M' is a door through which the metal, as it becomes heated upon the ledge, G, is pushed over by a rake, or other suitable tool, into the midst of the burning fuel on the hearth. N is a roadway under the chimney by which access is obtained to the doors, M'M', on either side.

Claims.—Having now described the nature of my said invention, and in what manner the same is to be performed, I declare that the improvements which I claim as constituting my said invention, are as follows:—

I. I claim the construction of iron or suncting furnaces, with air, and smoke, and vapour passages, placed, and arranged, and provided with doors (except as before expected) for closing or opening the same, each independently of the others, and with air-tight, or nearly air-tight, supply hoppers, all as before described; but without confining myself to the number of air, and smoke, and vapour passages, represented in the engravings, or to the precise cross-sectional forms given to these passages.—2. I claim the construction of iron melting furnaces on the oven-like form before described—that is to say, in so far as regards the combination of the parts, F, G, H, and M, in the manner shown.—3. I claim the application of the said oven-like form of construction to all ovens and furnaces to which the same may be applicable.—And 4. I claim the employment in ovens and furnace of barrel-hoppers, constructed, applied, and worked in the manner before described.—Mechanics' Magazine.

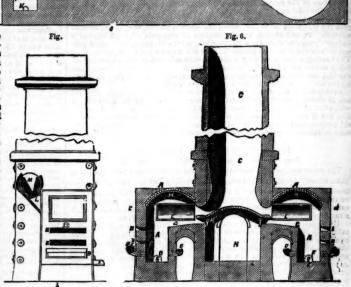
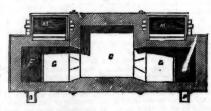


Fig. 7.



Letter to the Members of the Peace Society. By the Hon. and Rev. A. P. PERCIVAI, B.C.L., one of the Queen's Chaplains. London: Parker, Furnival, and Parker, Whitehall.

Perceival, B.C.L., one of the Queen's Chaplains. London: Parker, Furnival, and Parker, Whitehall.

This little pamphlet of 16 pages contains suggestions for forming among the maritime nations of the world a union similar to the independent Hansentic league—having in view the extension of commerce and civilisation among men, and the substitution of commercial interdict, requiring international arbitration, instead of war, as the means of preserving the peace of the world. Although somewhat Utopian in his ideas, we have no doubt the reverend author is actuated by the best motives; and we principally notice the publication from the means he recommends to be adopted towards Ireland, as an experiment for future international government and commercial improvement. He takes Ireland as in its present condition it cannot be rendered worse, it would be a after semant for a new principle. He proposes to abolish at once customs and excise; and, in lieu of these incomes, substitute a por centage on net profits of all descriptions. By a registration per head per annum, encourage the naturalisation of foreigners. Establish chambers of commerce for the regulation of trade, management of local sfairs, and public works. Divide Ireland into 120 districts—30 for each province. Each district to return one member to a house of representations, from which number the Crown to select 40, to form an upper house, with a variety of minor details, conceding, if carried into effect, almost the points mooted in what has been called the people's charter. In a commercial view, he proposes to make her southern and western coasts the fuelling and victualling depots for all merchant vessels traversing the Atlantic; that as the land in these localities may be had at a very small price, British, Dutch, and Holstein graziers should purchase largely, and bring to bear upon it the most improved methods of cultivation to the growth of cattle, and maintain stores of cured provisions at the most accessible ports. That British and Swedish miners purchase

GAS FROM WATER.—Mr. Stephen White, the patentee of the hydro-carbon gas, delivered a lecture, on Wednesday week, descriptive of its manufacture and advantages, in the Queen-street Hall, Edinburgh. He commenced by explaining the ordinary method of manufacturing coal gas, and then proceeded to describe that from water; for this purpose he fill his retorts with a quantity of charcoal and scraps of iron, which were brought to a bright red heat, and water allowed to fall drop by drop into it, by which the carbon and the iron took up the oxygen, and the hydrogen gas was set free; in another retort he decomposed resin, tar, or some other cheap hydro-carbon, by passing it among iron chains, and every 1000 feet of gas fit for brilliant illumination was composed of 500 feet of pure hydrogen from the water, and 500 feet of the carburetted hydrogen from the tar or resin. He then referred to the cost, and stated that he had agents in America and Russia, who had engaged to supply him posed of 500 feet of pure hydrogen from the water, and 500 feet of the carburetted hydrogen from the tar or resin. He then referred to the cost, and stated that he had agents in America and Russin, who had engaged to supply him with resin, however large the orders might be. At present its cost was about 3s. per cwt., and 1000 cubic feet of gas required 25 lbs. of resin, 13 lbs. of water, and a quarter of a bushel of charcoal, costing 9d. The iron was more valuable when taken out of the retorts than before. He had, therefore, no hesitation in saying, that the hydro-carbon gas could be made on a large scale anything above 300,000 cubic ft. per day, at about 1s. per 1000 ft. He stated that, in case of an escape, this gas was much sooner detected than that from coal; the neat of the flame was similar, but the light whiter and more brilliant, and 30 per cent. more intense in illuminating power. Nine thousand feet of coal gas cost for materials 18s.; while the same quantity could be made by his apparatus for 7s. 6d., and while gas works only sufficient for such quantity in a given time would cost 3000t, his would cost only 1000t. The lecture, which was numerously attended, was illustrated by diagrams and brilliant illumination, and it was stated that the gas might be seen in operation on a large scale at the Panmure Foundry. A vote of thanks was unaninously passed to the lecturer.

SOLUBLE GLASS.—What is called soluble glass is now beginning to come into use as a covering for wood, and other practical purposes. Souse of our clever artisans may like to experiment upon it. It is composed of 15 parts of powdered quarts, 10 of potash, and 1 of charcoal. These are melted together, worked in cold water, and then boiled with 5 parts of water, in which it extirtly disaloutes. It is then applied to woodwork, or any other required substance. As it cools it gelatinises, and dries up into a transparent colourless glass, on any surface to which it has been applied. It renders weed nearly incombastible.—New York True Sus.

GEOLOGICAL SOCIETY.

JUNE 13.—Sir C. LYELL (President) in the chair.

"On the Valley of the English Channel," by R. A. C. Austen, Esq. The

clish Channel occupies a valley, which may be described as one of depres-

"On the Valley of the English Channel," by R. A. C. Austen, Esq. The English Channel occupies a valley, which may be described as one of depression between two parallel systems of elevation. This is shown by the dip of the secondary strata on either side being towards its centre. The opech of this depression will depend on the age of the deposits included in it, which show that it has been under water at many distinct periods. When the submarine forests, seen on many parts of the coast, grew, it must, on the other hand, have been at a higher level; and hence Mr. Austen infers that it was dry land during the whole period of the corralline and red crag formations. These ancient forests not only pass below the present sea, but are covered by other formations, known as raised beaches. The materials spread over the bed of the Channel seem chiefly derived from the coast line. For the first few fathoms' depth the sea-bed is constantly changing; and the author has seen almost every portion of the south coast in the condition of sand, gravel, or bare rock, at different times. In consequence of the prevailing direction of the winds, the shingle moves constantly from west to east—some pebbles found in the Cheail bank being derived from rocks not found nearer than Torbay.

On the other hand, the raised beaches on the coast of Cornwall contain many chalk flints, which can only have come from the east. These seem to have been carried westward during the pleistocene period, when the last depression of the Channel took place, connecting it with the Northern Ocean area, when also blocks of northern rocks were carried south into it, like those found on the coast of Sussex. At that time, however, the Wealden was dry land; as the northern drift, which may be traced into the valley of the Thames, thins out and disappears before reaching it, as is well seen in the Reading and Reigner and the production of the warface over banks and what have a case of elevation; and the same system prevails in South Wales and in the south of Ireland

INSTITUTION OF CIVIL ENGINEERS.

JUNE 26.—JOSHUA FIELD, Esq. (President), in the chair.

The paper read was "Observations on the Obstructions to Navigation in Tidal Rivers," by Mr. J. T. Harrison, M. Inst. C.E. The first part of the paper

Tidal Rivers," by Mr. J. T. Harrison, M. Inst. C.E. The first part of the paper treated, in a general manner, of the circumstances affecting the deposition of materials and the action of water upon them; and in the latter part an application of these circumstances was made, in explanation of the formation of obstructions existing in the bed and at the entrance of tidal rivers.

Under the former head, the materials forming obstructions were first examined, the places whence they were derived, and the causes affecting their initial removal; cohesion, friction, the specific gravity and size of the materials, were shown to affect the question of their motion. The action of water upon these materials formed the latter part of the subject. Under this head, the character and effects of pure stream motion and forced motion, in the form of a pure wave of translation, and of standing waves, were severally considered. It was shown, that during pure stream motion the water had the greatest velocity where the channel was deep; that curves in the channel gave rise to increased depth and velocity; and an explanation was given of the deposit of materials by the water after leaving a curved channel; that the effect of a pure wave of translation was to scour the shallows and deposit the material in the deeps; and, as its momentum was destroyed, to heap up a bank rising gradually. The effect of standing wave motion of water was shown to be the formation of a succession of deeps and shallows.

Under the latter head, the first division treated of the setion of size parts.

f deeps and shallows.

Under the latter head, the first division treated of the action of river water-Under the latter nead, the larst division treated or the stated of live water-let, in its own channel, when the subject of impediments, as piers of bridges, weirs, &c., was examined; 2d, where it discharged into a large basin devoid of tide, under which head the formation of deltas, &c., was discussed; 3d, when the basin into which it flowed was subjected to a rise and fall of tide, but with-cont persontible current. out perceptible current.

the basin into which it flowed was subjected to a rise and fall of tide, but without perceptible current.

The second division treated of the action of the sea without the entrance of the river. Attention was drawn to the effect of the situation of the entrance, with respect to the direction of the river, as in the case of the Severn, &c. As a branch of this subject, the peculiarities of the tidal action, described in a communication to the Royal Society by Captain Beechy, as existing in the Iriah Sea, were commented upon, and an explanation offered of some of them. In other cases, the tidal wave setting at right angles to the direction of the river, when the wave which passed up it was generated at the entrance. The deposition of materials near the mouth of rivers by along-shore currents, and by the wind-waves, was then briefly touched upon.

The third division treated of the action of the water in entering rivers so placed, that the wave was generated at the entrance. The circumstances which affected the quantity of water entering were considered; it was shown to be limited by the width and depth of the entrance, and the rise of the tide; and, again, by the degree of freedom with which the momentum generated is transmitted. It was also shown that this freedom of transmission depended chiefly on the depth of the water; and other circumstances affecting it were explained. Under the fourth division, the removal of bars by the ebb tide was discussed, and the propriety of the water having a free motion, and not being forced over the bar, was shown. It was argued, that bars are frequently increased by a narrow or shallow channel at the entrance causing a head of water, and the consequent formation of a standing wave between it and the bar. The deeper the channel could be maintained, and the further the water cound within the entrance of many rivers is caused by the flood tide, and that an improvement in the bar would, probably, have the effect of lessening this depth, which, in many cases, would be considered a dis and division treated of the action of the sea without the entrance of

rivers, was dissussed; and it was agreed that much might be done by groyning the coast, carrying out piers at the entrances and in the upper part of the river, by groyning the banks in some places, and allowing a free scope for the deposit of the material which is being washed down in others. The subject of piers at the entrance of rivers was then more freely entered into, and the effects produced by their being built too close together and curved were discussed. Some points which it seemed desirable to attend to in fixing the lines for confining rivers, were generally considered; and the paper ended with the expression of a hope that it might lead to discussion, and a farther collection of facts, upon which alone any sound theory can be founded.

After the meeting, Mr. F. A. Carrington exhibited in the library a beautiful model, in relief, of portions of the counties of Lancaster, Yorkshire, Cheshire, Notts, and Derbyshire, extending from Mauchester to Liucola; and the Humber, east and west; and from Leeds and Bradford to Chatsworth Park, north and south. These models show at a view the whole physical geography of a district, and are admirably calculated for projecting works of both civil and military engineering; and if they were a step in the sanatory improvements of towns, the progress would be more certain, and less costly. At the monthly ballot, Messre. E. L. Betts and W. Coulthard were elected associates; and the meeting was adjourned until the commencement of the next session, which it was proposed should be at an earlier period than heretofore.

AYRHHER INON COMPANY.—The Blair Iron-Works were again exposed to ablic sale on the 13th inst., in the Exchange Sale Roome, Glasgow, at the sat price of 45,000 t, but, after the reading of the articles of sale, which cupfed fully half-an-hour, there was not a single hidder present, and conquestly the roup was adjourned.

Law Intelligence.

TRANSFER OF MINING SHARES-STAMPS NOT REQUISITE.

TRANSFER OF MINING SHARES—STAMPS NOT REQUISITE.

Court or Exemplers, June 23.

(Sittings in Banco—Before Barons Alderson, Parke, Rolfs, and Platt).

Toll v. Lee.—This was an action tried the 30th of March last, before Lord Denman, at the Bodmin assizes. The plaintiff was Mr. James Toll, a timber merchant of Callingfou; and the defendant was Mr. John Dunkin Lee, a sall-cloth and sack manufacturer, living in Leadenhall-street, London. The action was brought to recover the sum of 31l. 8s. 113d., for timber supplied to Wheal Mary Mine, in which the defendant was an adventurer at the time of the supplies, in October, 1845. The mining company in question was formed on the Cost-book System, and, in September, 1845, defendant accepted a transfer of some shares in the mine, which transfer was certified in the usual manner to the purser, and by him registered in the book of the mine. In the course of the year 1845, it became necessary to sink a shaft, and timber for the purpose was ordered of the plaintiff, of which there was supplied by him, in the month of October, 1845, after the defendant became a shareholder, to the value of 31l. 8s. 113d., including a small charge for carriage. In December, 1846, there was held, in London, a general meeting of the shareholders, at which the defendent was present, and took part in the proceedings. Afterwards, when it became necessary to give up the working of the mine, the shareholders were severally called on to pay their proportions of what was due to tradesmen who had sent supplies to the mine. Several of the shareholders did pay their proportions; and had the defendant chosen to do the same, the tradesmen would have been satisfied. To show that the defendant had had an opportunity of settling his arrears, a letter was addressed, on the 12th Feb., 1849, to him by Mr. William Snell, a relative of the purser, employed by him to settle the affairs of the mine. In this letter defendant was informed, that there was due by adventurers in the mine, to bankers, merchants, and others, upw

"To Mr. George Wells Snell of Callington purser of Wheal Mary Mine in the paris of Calstock

"To Mr. George Wells Snell of Callington purser or Wheal Mary Mine in the parsh of Calistock
"I Ebenezer Lethbridge for the consideration named and expressed in a Deed of Transfer bearing date the 29th of September do hereby certify that I have assigned sold and transferred to Mr. John Dunkin Lee three two hundred and fifty-six parts or shares of or in the mine or adventure called Wheal Mary situate in the parish of Calstock in the county of — with the like part or share of and in all engines tools tackle materials ores halvans monies in the purser's treasurer's and banker's hands and all other the appurtenances to the said mine or adventure belonging together with all and singular the dividends to be henceforth declared and payable upon or in respect of the said part or share and all interest profit right privileges and advantages whatsoever incident thereto or to be derived therefrom and all the estate right title and interest of me the said Ebeneser Lethbridge in and to the same three hundred and fifty-six parts or shares belonging to hold unto the said John Dunkin Lee his oxecutors administrators and assigns subject to the same 'mmediately before the execution hereof "Witness to the signature of the above-named—J. J. HAZS
"I the said John Dunkin Lee do hereby agree to accept and take the said shares sub-

ing to hold unto the said John Dunkin Lee his executors administrators and assigns subject to the same rules orders and restrictions and on the same conditions as I hold the same immediately before the execution hereof "Burkerea Larnsander "Witness to the signature of the above-named—J. J. Hars "I the said John Dunkin Lee do hereby agree to accept and take the said shares subject to the same rules orders restrictions and conditions Witness my signature this 29th day of September one thousand eight hundred and forty-five "J. D. Lex "Witness to the signature of the above-named—J. J. Hars"

On the part of the defendant, counsel objected to the stamp of the transfer, which was a 2s. 6d. one—the document, being an assignment of a share in the mine, required a larger stamp. The counsel on the other hand contended that the document was not an assignment of a share, but only a certificate that a share had been assigned by deed. On the part of the defeudant, it was argued that the real question was, whother this claim had not been discharged by what had taken place in the action-throught by Toll against Saunders. Lord Denman reserved the point on the legal construction of the words at the close of the receipt to Saunders, directing a verdict for plaintiff for 3l. 8s. 11½d., with 40s. costs, with leave to enter a verdict for defendant, should the effect of the receipt to such as had been contended by the defendant's counsel.

Mr. MAYNARD (with whom was Mr. Crowder) showed cause against the rule. There was abundance of evidence that the defendant was a shareholder; he had attended the meetings, which in railway companies had been found sufficient to fix the liabilities on parties so attending. On being applied to by the solicitor he had agreed to pay his quota on 16 shares; at the eleventh hour he had refused, on the pretence that the transfer had not been duly stamped. The learned counsel quoted the cases of Slattery v. Pooley and Ashwell v. Hardy. This was not an assignment of a share, but a certificate that a share had

MINING COMPANY OF STOLBERG.—At a general meeting of shareholders in this company, held at Aix-la-Chapelle, it was stated that, up to the time of the Prussian revolution, the directors had depended on the principal French shareholders for three-fourths of the capital. They had, however, like other parties in industrial enterprises, been disappointed, from political changes, and the shareholders have for the past two years been deprived of their dividends. From the several reports presented at the meeting, the truth of which is attested by several shareholders who visited the mines in person, it appears that the suspension of dividends is not to be attributed to a falling off in the value of the property or of the production of lead, which is daily being developed more considerable in quantity and quality, and which promises the company that the elements of success are present. But at the moment of the revolution they were burdened with a heavy stock on hand, while business was at a stand, and they had still to keep up their payments. The shareholders may rest assured that the enterprise is founded on a firm basis, and that the best order and regularity exists in all the branches of this great understains. the enterprise is founded on a firm basis, and that the best order and regularity exists in all the branches of this great undertaking. The meeting came to the conclusion that several modifications were required in the regulations of the society; but their consideration was adjourned to a future special meeting, to be convened for that purpose. Meetrs Musnier and Rambaud were elected directors in the places of Messrs. Chauvitean and Gouin, who had resigned.

directors in the places of Messrs. Chauvitean and Gouin, who had resigned.

Mining.—In the present, we hope temporary, depressed state of mining in Cornwall, it affords us pleasure in knowing that there are individuals amongst as who not only look forward with confidence to better times, and in that hope continue the workings of old bals which, with a fair price for tin and copper, would yield good dividends, but also experience sufficient confidence and speculating spirit to induce them at this moment to embark in new undertakings. On Thursday last, a party of gestlemen met at the Three Tuns Hotel, when it was resolved that Wheal Conqueror should be immediately set to work. This mine is situated in the estates of Nancothnan, in the parish of Madron, and Bologgas, in the parish of Paul, and was formerly worked to advantage, having yielded large quantities of tin. The mine is divided into 156 shares, nearly all of which are already taken up. We understand that the water will be drawn out of the shaft at the eastern end of the settby means of hand pumps, it being only 16 feet deep, and tin can be broken as soon as the water is out. An adit will be driven on the course of a lode, in the western part of the sext, where tin is apparent, and it is calculated that for 10s, per share—which amount has been deposited with the purser, Mr. Rodda—it will be possible to ascertain whether it will be prodent to erect a water wheel and stamps, with which the mine may be carried to 30 fathoms, and the stuff stamped at a cost, in machinery, of about 1004. The adventurers have our best wishes for their success.—Pensance Jour.

Mining Correspondence.

The Commissioners of Inland Revenue having notified to us their resolve to charge with advertisement duty all reports having the agents' names affixed, we appealed to them in a memorial, setting forth that we, or the respective companies, durined no advantage therefrom—the only object sought, or obtained, being that of a fording to the mine adventurer and public the greatest guarantee we could for the truthful and bond pide nature of the atatements periodically set forth, by authenticating them, and thus fining a responsibility on the writer. The Commissioners have replied, that "the reports, with names attached, are advertisements, and that duty will be charged thereou." We have no alternative but submitting to their dietam. How far the Commissioners are cerved in the view they take, our readers can judge as well as consolves; —we can but hope that, on reflection, they will see the error into which they have fallen, and reachn't the orders they have lasted as furnished by the regular agents of the company; and we shall easefully guard against the publication of statements which cannot be relied on as correct.]

BRITISH MINES.

ALFRED CONSOLS.—The lode in Field's engine-shaft, sinking under the 50 fm. level, is quite 6 ft. wide, and the ore course, on the south part, in the east end of the shaft, is about 2 ft. wide, and in the west end 1 ft., looking very cheering, and fm-proving as we get deeper. The lode in the 50 fm. level, east of the shaft, has improved this week; there is now in the end a branch of saving work for copper ore 1 ft. wide, which is very promising; and, in the 50 fm. level, west of the engine-shaft, a great change is taking place for the better; the lode is about 3 ft. wide, and on the north part is a good branch of copper ore; the size I can hardly say, as there is a part of the lode standing, but this much I can say, that the appearances have not been such for the last 12 months as they now are. The lode in the 40 fm. level east 18 3 ft. wide, containing some stones of copper ore. In driving south in the 40 fm. level, west of the engine-shaft, we have not yet cut any lode.

BARRISTOWN.—The lode in the end, driving on the junction in adit level.

some stones of copper ore. In driving south in the 40 fm. level, west of the engine-shaft, we have not yet cut any lode.

BARRISTOWN.—The lode in the end, driving on the junction in adit level, is 3 ft. wide, and producing ½ to not flead per fm. The lode in the bottom of adit level (eastern stope) is producing about ½ ton of lead per fm. The back of the 16 fm. level; apour, also the stopes in the bottom of the 16 fm level; the end we drove west in the 16 fm. level; apour, also the stopes in the bottom of the 16 fm level; the end we drove west in the 16 fm. level; apour also: there is no lode in the winze sunk under the 16 fm. level; it is cut off with a similar alide to what we had in the old mine, and I consider is likely that the other part will be found under the part we have been working away. At Nangle's we discovered a good pipe of ore in the back of the adit level, which will produce about 1 ton of ore per fm. We shall abip a cargo the week after next.

BEDFORD UNITED.—At Wheal Marquis, the ground in the cross-cut and engine-shaft romains the same as last reported. Having met with one or two accidents—viz: breaking of the rode, &c., at surface, our progress in the engine-shaft has not been so estificatory as I could have wished. We are still driving by the side of the lode in the 90 fm. level; Burley's winze, in this level, is about 11 fms. deep, the lode will yield 3 to 4 tons per fm.; in Crew's winze, in this level, the oray part of the lode is 18 in. wide, and worth 3 tons of ore per fm. The lode in the 70 fm. level(but partly laid open) is composed of fluor-spar, mundle, with spots of ore.

BRYN-AR-IAN.—The lode in the engine-shaft is large, from 6 to 7 ft. wide, composed of killas, spar, and several small branches of ore, yielding 10 cwts. of ore per fm. The stope back ort the deep add it level, cast from the shaft, is producing a ton per fm. The stope back ort the deep add it level, cast from the shaft, is producing a ton per fm. The stope back ort the deep add it level, as from the shaft, is produ

Gove per rathom.

CWM ERFIN.—In consequence of the dryness of the weather, our 20 fm vel at the engine-shaft is now under water, and, therefore, the bargalus in this place are uppended. The winze staking under the 10 fm. level, 12 fms. long, 1s worth 15. per n. The 20 fm level, west of the whim-shaft, is worth 5. per fm.; the 20 fm. level, ast of ditto, is poor. The winze, sinking under the 10 fm. level, east of whim-shaft (for fins. long), is worth about 8.6, or 10.1, per fm. Our dressing is nearly brought to a close, ot having water to crush more than three or four hours per day.

DAL WIN.—The lode in the deep adjugate of the Rhy-s-ment river, is 4 fm.

not having water to crush more than three or four hours per day.

DALWIN.—The lode in the deep adit, east of the Rhy-a-neut river, is 4 ft-wide, and has a very kindly appearance.

DEVON AND COURTENAY CONSOLS.—In the end driving west, in the 40 fm. level, the lode continues large, full 4 ft. wide, containing a great quantity of white iron, prian, and some moundle, with stones of rich conted ore in various places in the lode. In the end driving east, on the south lode, in the 50, the lode is 2 ft. wide, composed of caples, spar, and mundle, and some good stones of ore, but the lode appears to be somewhat disordered by the small cross-course recently discovered in the end. The lode in the stopes, in the back of this level, continues to yield about 1 ton of one per fathom.

EAST CROWNDIAL — The lode in the 98 fm. level, continues to yield about 1 ton of one per fathom.

caples, spar, and mundic, and some good stones of ore, but the lode appears to be somewhat disordered by the small cross-course recently discovered in the end. The lode in the stopes, in the back of this level, continues to yield about 1 ton of ore per fathors.

EAST CROWNDALE.—The lode in the 28 fm. level east is at present poor and not very kindly in appearance; it is about 2 ft. wide, composed of spar, white iron mundic, peach, and killas; we broke some good stones of tin in this level in the beginning of the week, but it has not held on; the 28 fm. level west is looking much kindling, although not rich; the lode is 5 ft. wide, composed of reach, spar, white iron, mundic, and spots of tin. Williams's winze, below the adit level, still continues to look well; the lode is about 9 ft. wide, composed on the north side of white iron, and mundic, the hiddle part tin and peach; and the lode age tinto a more settled condition, and septiment of the lode is a bout 9 ft. wide, composed on the north side of white iron, and mundic, the hiddle part in and peach; and the lode get into a more settled condition, and sense that the lode is a present much mixed up with killas—it is worth about 30; per fm. Paul's rise and stopes in the back are looking very kindly, the lode is about 6 ft. wide, composed of gossan, spar, peach, mundic, and the, lode, in the stopes in the back are looking very kindly, the lode is about 6 ft. wide, composed of gossan, spar, peach, mundic, and tin, and produces about 20.4, worth of tin par fm. Our engine, stamps, &c., all in good working erder.

ESGAR LLI.—The south lode, in the stopes in the bottom of the deep adit lovel, east of the water is now coming down a few feet behind the end. The lode in the winze below the shallow adit is looking quite as well as last reported, which will yield on an average about 10 owts. of ore per fm. The north lode, in the deep adit each, is much the same as last reported, which will yield on an average about 10 owts. of ore per fm. The north lode, in the deep adit a

one spar, and quartz, with good stones of one in places, and coing antogether a very promising lode.

HERODSFOOT.—The engine-shaft is sunk 8 fems. below the 106 fm. level, where the lode is 4 ft. wide, yielding 14 ton of ore per fm. In a winze sinking below this level, 20 fms. south of the shaft, the lode is 3 ft. wide, producing \$\frac{1}{2}\$ of a ton per fm;; in the north end no lode has been taken down since our lest report; the stopes in the back yield, on an average, 9 cwts, per fm. In the 94 fm. level south the lode is 2 ft. wide, yielding good stones of lead; in the north the lode is large, producing 15 cwts, per fm. In a winze, sinking below this level, 20 fms. north of Windsor's shaft, the lode is 2 ft. wide, producing 7 cwts. per fm.; the tribute pittens in this level are looking well. In the 87 fm. level south the lode is 2 ft. wide, yielding above 1 ton per fm.—greatly improved these last few days. In th. north the lode is 9 in. wide, yielding \$\frac{1}{2}\$ of a ton per fm. The stopes in this level, near Windsor's shaft, yield, on an average, \$\frac{1}{2}\$ of a ton per fm. The stopes near the north end yield 7 cwts. per fm. The stopes in the loads of the 72 fm. level, near Windsor's shaft, are getting rather poor; the lode in the south end is still disordered by a slide. The parcel of ore for May will be about 95 tons.

HOLMBUSH.—The lode in the 132 fm. level, west of the diagonal shaft, is

shaft, are getting rather poor; the fode in the south end is still disordered by a slide. The parcel of ore for May will be about 59 tons.

HOLMBUSH.—The lode in the 132 fm. level, west of the diagonal shaft, is 10 in. wide, composed of spar, mundle, and spots of ore—this level being under the winze enuk below the 120, we have so the mest or ise to communicate to it. The folds in the 120 fm. level south is 4 ft. wide, composed of quartz and lead, saving work; in driving the 120 fm. level south, sat of Hitchen's shaft, we have intersected another branch, 5 in. wide, composed of mundle and rich copper ore; we shall extend the cross-cut a little further south, seeing water is still issuing from the end. In the 129 south, close by the great cross-course, towards the flap-jack lode, we have very favourable ground, and we hape to drive 9 fms. this month. The lode in the lode; be south is 3 ft. wide, and will produce5 c wis. of lead per fm. The lode in the back of the level will produce 3 c wis. of lead per fm. The lode in the back to the flevel will produce 3 c wis. of lead per fm. We have taken down the flap-jack lode in the 100 fm. level, east of the great cross course, and find it reduced in size and value; in the present end it is 15 in. wide, producing stones of ore only, making still a good foot wall. The lode in the back of the level will produce 4 tons of ore per fm.; a cross branch at this point has disordered the lode; the greand is still favourable, and we shall push on the level as fast as possible, hoping to meet with a speedy improvement.

KIRKCUDRIGHTSHIRE.—The lode in the 50 end east is 4 ft. wide, composed of spar, carbonate of lime, and lead, yielding 5 cwts. to the fathom; the lode in the 40 end west is 18 in. wide, with good spots of load; the lede in the winze and to bottom of the 40, west of Keith's, is 2 ft. wide, worth 4 cwts. to the fathom; the lode in the 40 end west is 18 in. wide, with good spots of load; the lede in the winze, in the bottom of the 40, west of Keith's, is 2 ft. wide, worth

LAMHEROOE WHEAL MARIA.—The engine-shaft is sunk 5 fm. below the 50 fm. lovel, and has just intersected the great cross-course, underlaying 4 ft. in a fm., which will soon pass through the shaft, and expect it will heave the lode. Should the lode be heige, we shall be in a better position for sinking. Davey's shaft will be down 46 fms. by the end of this week. We are making every exertion to haston the sinking we possibly can; the men are even working Sunday nights.

LEWIS.—The lode in the 70 east is 24 ft. wide, unproductive at present; the 70, east of engine-shaft, on the south branch, is worth 10. per fm.; the 10d, east of Ladder-road winze, on the south branch, is worth 10d, per fm.; the 60d end the 70 east from sump-shaft, on the south branch, is worth 10d, per fm.; the 60d, east from sump-shaft, on the contract, is worth 10d, per fm.; the 10d, east of copper over shaft, on Cock's branch, is for shaft, is with 20d east, on the south tranch, is worth 10d, per fm. The 60d, on Cock's branch, is 1ft. wide, good saving work the cast, on cock's branch, is 1ft. wide, good earling work the constitution of contract, is 1ft. wide, worth 30d, per fm. The 60d, east of copper over shaft, on Cock's branch, is worth 30d, per fm. The 60d, east of copper over shaft, on Cock's branch, is worth 30d, per fm. The 60d end of the 40d east, on south branch, is a fm. The 60d end of the 40d east, on cock's branch, is worth 30d east, is opening good tribute ground. The lode in the 30 ewst, on south branch, is worth 3d. los. per fm.

MENDIP HILLS.—In Charterhouse Valley a slight improvement is perceptible in the beds of alagstuff, which we are at present reasswing to the dressing-floors. I and it will average about 15 ft. thick, yielding a fair quantity of very good alags. We continue to prese forward with our works as fast as possible; the masons are getting on with the engine house; the pot as even the walls completed by the end of the week; the boller is already fixed in its place, and the other machinery will, I expect, be here sh

of the Capt. to rem other the chart of the still, it had, it keepin The sight, sight, sight, works, accour of the consur Novem with i which heads it is the consur the charge of the consur the the the consur the consurer than the consumer than the consu

some have commenced building the reverberatory furnace; the site selected for the mace is near our old ones.

masons have commenced building the reverberatory furnace; the site selected for the furnace is near our old ones.

MINERAL COURT.—The engine-shaft is completed to the 20 fm. level, and we have this morning cut into the lode, which is 5t. wide at that depth; for the first 2 ft. it is hard, than for 5t. more it is good for tin, and we believe we have now got the south wall of the lode; so far as we have seen, it is a very promising lode indeed, much better then we expected to find it so close to the shaft, for it is not so productive so near the shaft in the level above. I consider that we have a mine that will make good in depth and extent; the tin continues to be of a superior quality, and is equal to what we had in the upper level. We small proceed to cut a white plat in the 20 fm, level, and then drive seat and west at that level, which will open ground for tribute pitches. At our setting they we intend resuming to drive the 8 fm. level east, to open more tribute ground also in that level. We shall also sink a wince below the 8 fm. level in the run of tin, which will ventilate the 20 fm, level. I confidently expect, as soon as the levels are driven to a moderate extent, we shall make good monthly returns of this and I may add that my expectations of the productiveness of the lode in the 20 fm, level are fully realised.

NANT-Y-CRIA.—The new lode in the shallow adit west is looking more kindly than for the last 5 or 6 fms. In driving, and I think will soon improve.

SOUTH WHEAL TRELAWNY.—The engine-shaft is in course of sinking with nine men, sunk below the 30 fm. level. In the 9 fm. level the ground is favourable, and the water just as last mentioned; the engine-shaft is in course of sinking with nine men, sunk below the 30 fm. level. In the 9 fm. level the ground is favourable, and the water just as last mentioned; the engine-shaft is in the results of the productive of the productive

the pre-ent, the men being now employed in alking a state book water be of content cate with the rise above the adit, on the middle lode. In Parent's whim shaft, bollow ine adit, the lode is 2 ft. wide, with stones of ore, and is looking kindry; in the winze bedween the adit, on the middle lode, shot 1 ft. wide, with stones of ore. In the vinze above dite the lode is 20 ft. wide, worth 44 per fm.

TYWARNHAYLE AND NANCEKUKE.—Gardiner's engine-shaft is sinking under the 90 fm. level; it is down about 8 fms.; the lode is standing to the south and has not been cut through under the 90 fm. level; there are 12 men in the slaft, and they are sinking about 6 ft. per month; in three or four months it will be down to drive a 100 fm. level. The 90 fm. level e 3 fm; the lode in the end produces from 3 to 3 tons per fm., and this level. The 90 fm. level do in the end produces from 3 to 3 tons per fm., and this level has been driven through a good lode, worth 3 tons per fm. for most of this distance, which is working by stopes in the back of the level; there is also some good ore ground gone down between Bennett's and Gardiner's endine-slevel, east of Bennett's great enconagement for the 90 and desperations of the level; there is also some good ore ground ground gone down between Bennett's and Gardiner's endine-slevel, east of Bennett's shaft, it producing shaft, is producing which is working by stopes in the back of the level; there is also some good ore ground great enconagement for the 90 and desperations of the stone per fm. The 60 is shaft, is producing that is gone driven east from Bennett's ahft 90 fms., and there has been some good ore ground discovered by driving this level. The 80 and 40 are not so far east. A great improvement has taken place in this part of the mine, and it is promising to make learn greature. Gardiner's railroad shaft has been sunk to the 90 fms., and there has been some good ore ground discovered by driving this level. The 90 fms., worth 51, per ton; there is a very good course of ore in a stop

face have been carried out since he has undertaken the management.

WEST WHEAL JEWEL.—The rise in the back of the 70 fm. level, west of William's cross-course, on Wheal Jewel Jode, lode worth 21, per fm. In the winse, in the bottom of the 57 fm. level, west of Williams's cross-course, on the same lode, lode worth 51, per fm. In the 47 fm. level, west of Williams's cross-course, on the same lode, lode unproductive. In the deep adit, west of Williams's cross-course, on the same lode, lode not taken down in the past week. The rise in the back of the 12 fm. level, against Tregoning's shaft, is suspended, the ground being too costly for rising; these men are put to drive the deep adit end west of Tregoning's shaft, on Tolcarne tin lode. The stopes in the back of the 12 fm. level, west of Pryor's winze, on Tolcarne tin lode, lode worth 144, per fm.; the stopes in the back of the vorth 164 per fm. the stopes in the bottom of this level, east of Tregoning's winze, on the same lode, lode worth 134, per fm.; the stopes in the bottom of the level, east of Tregoning's winze, on the same lode, lode worth 134, per fm.; the stopes in the bottom of the level, east of Tregoning's winze, on the same lode, lode worth 154, per fm.

WHEAL BENNY.—Owing to the dry season our surface water is consider.

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shaft, on same lode, lode worth 13t, per fin.; the stopes in the bottom of the level, east of Tregoning's winse, on the same lode, lode worth 13t, per fin.

WHEAL BENNY.—Owing to the dry senson our surface water is considerably diminished, insømuch that we have not been able to open on the lode in the 30 fin level (Ford's shaft) since last reported, but should by all means recommend your prosecuting it at the depth above stated; the change already taken place is 6 feet—driving looks favourable for copper. The lode in the cross-cut south is getting more settled, and is from 2 to 3 ft. wide, with flookan leads, soft spar, prina, &c., and the ground is more favourable for driving, being a brighter strata.

WHEAL TRELAWNY.—The 82 cross-cut, at Phillips's shaft, is progressing favourably; and, in the past week, we have divided and cased the shaft down to that level. The lode in the 72 north is \$\frac{3}{2}\tau\$, wide, and worth 100, per fin.; in the same level south the lode is \$\frac{1}{2}\tau\$, wide, and worth 100, per fin.; in the same level south the lode is \$\frac{1}{2}\tau\$, wide, and worth 100, per fin.; in the same level south its level. The bottom of the wines, under this level are producing a fair quantity of ore; in the bottom of the wines, under this level are producing a fair quantity of ore; in the bottom of the wines, under this level, the lode is \$\frac{1}{2}\tau\$. Worth 92, per fathom. The 17 fathom level cross-cut at Traleawy's shaft is extended west about 5 feet. The lode in the 52 fathom level cross-cut at Traleawy's shaft is extended west about 5 feet. The lode in the 52 fathom level cross-cut at Traleawy's shaft is extended west about 5 feet. The lode in the 52 fathom level cross-cut at Traleawy's shaft is extended west about 5 feet. The lode in the 62 fathom level cross-cut at Traleawy's shaft is extended west about 5 feet. The lode in the 62 fathom level cross-cut at Traleawy's shaft is extended west about 5 feet. The lode in the 64 fine of the lode in the 65 fathom level cross-cut at Traleaw

WHEAL VINCENT .- There is no material alteration in the south lode since last reported on, but little of the lode having been taken down; the ground still continue soft for sinking. The north lode is much improved the last taking down; we have broker some of the largest and best stones of tin that we have ever seen since we commenced sinking. Our engine shaft is now down 10 line, from surface; the shaftmen are now em-ployed in casing and dividing the shaft, so as to commence cross-cutting the lode.

ST. JOHN DEL REY MINES.—Morro Velho, April 18.—Gold extracted to date 7615 cits., from 433'27 cubic feet of sand; result of 10 days's stamping, 17'55 cits. per cubic foot. This good result of the first 10 days's stamping shows with what success our exertions were crowned in working through the Easter sholldays. I should be well content if I could encourage you to reckon on as good results for the succeeding portions of the month, but acknowledge that on this head I am far from sangulus, seeing that Capt. Tretour has been obliged, for the salte of keeping the mine in good working order, the remove the borrow from the middle captories, the most working order, the remove in because of the mine in good working order,

of the month, but acknowledge that on this head I am far from singuline, seeing that of the month, but acknowledge that on this head I am far from singuline, seeing that Capt. Trulour has been obliged, for the sake of keeping the mine in good working order, to remove 16 borers from the middle cachocira (the most productive part of the mine) to the remove 16 borers from the work of the most productive part of the mine) to other localities far less favourable; besides which, the ore now coming from the west cachocira is extremely quartzose, and of very inferior quality. Stamps working I7 days 30 cd. heads. Thanks to the perceptible dimination in our sick list, we are, fortunately, enabled to maintain a better supply of stone than I had ventured to hope for; still, in order to feed the stamps, we are obliged not only to break every stone, good or bad, that cames from the mins, but also to bring in freely from the refuse heap, thus keeping down the standard of the ore to a miscrably low figure.

Comparative summary of coats in the first three months of 1848 and 1849 go enclosed. The increase under the head of materials (upwards of 35 per cent.) appears, at first slight, startling, but a little earnimation will suffice to dissipate this feeling. You will observe that the increase's principally under the following heads:—Timber, iron, charcoa, kibbles, chain, and ganpowder. Now, the inclined planes and other important works, which we are now pressing forward (as detailed in my last letter), will anticiently serve that the increase's principally under the following heads:—Timber, iron, charcoa, kibbles, chain, and ganpowder. Now, the inclined planes and other important works, which we are now pressing forward (as detailed in my last letter), will attricelently serve that the increase of timber and iron now consuming; besides, the costs of the three carries and the most of the 6000 rs. for timber and iron now consuming; besides, the costs of the three carries and hadon; kibbles and chain. Earth move afterwards saddled

to 412 (the average of the similar period of 1849). In the face, however, of the very heavy increase under the heads of materials and of hire of negrees, it is grantlying to see, that favoured as we were by the exchange, the total increase of cost was only 174 per cent, while the following results are also worthy of attention—viz.: Increase of blacks, 33 per cent.; previsions, 45 ditto, the excess of 12 per cent. occasioned by the advance in price of fegicio and melho; over rulsed, 35 per cent.; produce, 32 per cent.; profit, 57 per cent.; oceas as above stated, 175 per cent.

BOLANOS MINING COMPANY.

BOLANOS MINING COMPANY.

The annual general meeting of shareholders in this company was held at the offices, Duke-street, Adelphi, on Wednesday last, the 27th inst.

The SECRETARY (Mr. J. Head) having read the notice convening the meeting, and the directors' report (which we gave entire in last week's Mining Journal), Sir Robert Price and Lient Col. Nelthorpe, who retired by rotation, were re-elected directors. Mr. Henderson was elected a director in the room of Horace Twiss, Esq., deceased, and Mr. Terry was re-elected as auditor.

The CHARMAN observed that Mr. Henderson was the only candidate for the vacant directorship, and the fact of his offering himself looked well for the concern; that gentleman had spent much of his life in Mexico, and was well acquainted with the mines; it showed that he had great confidence in El Bote Mine.—From the statement of accounts, it appeared that the balance of last account was 4241. Is. 3d.; remittances from Mexico, 88301. 5s. 6d.; profit and loss, 74. 4s. 6d.; commission, 171. 17s. 8d. = 9279! 8s. 11d.—Due to sundry persons last year, 42761. 10s. 4d.; payment on account of persons in Mexico, 355. 5s. 11d., 5s. perfments in reduction of ores, 3971. 5s. 9d.; directors and auditors, 8122. 8s. 5d.; home management, office expenses, postage, stationery, and sundries, 10552; interest and discount, 544. 9s. 8d.; alimento to owners of El Bote 12 months, 3000. = 10,5961. 8s. 6d.; from which deduct due to sundry persons, 1820. 19s. 3d.; leaves balance in hand, 5044. 4s. 8d.—A report from Mr. John Taylor was read, which stated that—All that was essentially necessary for an extended presecution of works was provided, and the the neares were new to the skip in which by the report was extended prosecution of works was provided, and the the neares were new to the skip in which by the report was extended prosecution of works was provided,

386. 58. 11d., goods shipped to Mexico, 985. 28. 5d.; experiments in reduction of ores, 307.6 s. 9d.; pictures and auditors, 812. 88. 5d.; home management, office expenses, postages, stationery, and sundries, 1056.; interest and discount, office expenses, postages, stationery, and sundries, 1056.; interest and discount, office expenses, postages, stationery, and sundries, 1056. 19. 8d.; layers balance in hand, 504. 4s. 8d.—A report from Mr. John Taylor was read, which stated that—All that was sensuality accessory for an extended prosecution of works was provided, and that the mines were now in the state in which, by the power than sufforded, the most which all the one is an experiment of the state of the state

15 cwts. per fm.; and the shaft is now down 8 fms. below the 106, and the lode in the bottom is worth 1½ tons per fm. A very great improvement has also taken place in the 82 south—a very important place, and where the lode is now worth 1 ton per fm. The reserves of ore in the mine are estimated to be worth from 10,000% to 12,000%.

FOWEY CONSOLS MINING COMPANY,

The following is an abstract of the accounts of this mine for January, February, March, and April (as audited and allowed at a meeting of adventurer on the mine), which show a balance of profit of 2377. Is. 6d., chiefly arising from sale of reserved ores during a temporary rise of the standard, when a fail profit was realised:—

3179 1 10 237 1 6—£12,779 4 9 Profit, 2371. is. 6d.; add balance in hand, end of December, 60091. 18s. 9d.=62471. 0s. 3d carried to credit of next account.

EXMOOR WHEAL ELIZA.

EXMOOR WHEAL ELIZA.

Sur,—My attention has been called to a paragraph, published in the Mining Journal of the 23d, relating to the above adventure, with inquiries as to the holding, the locality, and management. It has been suggested that the paragraph emanates from a discharged agent of the company now in London, and, therefore, is unworthy of notice, the shareholders being satisfied on all the points. In respect to the deed, I may state, the company is working under a deed granted by the owner, duly executed in Rome. As to the locality—is the mine in Devon or Cornwall? The sett is tolerably large, being 2500 acres. What is the system of management? That usually adopted in mining—regular meetings for audit of account, and transaction of other business; the result of these meetings are duly published in the Mining Journal. To save my time and your space, I only add, Mr. Chant, the purser, lives m South Molton, and will readily afford any information desired to any shareholder, and also, if requested, send a copy of the lease.—One of the Lessees: Tavistock, June 28.

ANTIMONY AND SILVER-LEAD MINING COMPANY.

Sin,—In reply to "M. M.'s" letter of Saturday list, he (if a shareholder) can, on applying to the offices of the company, have a copy of the balance-sheet, inspect the accounts, and obtain such further information as he may require, the books of the company having always been open to the shareholders.

June 27.

T. Bartlett.

ANTIMONY AND SILVER-LEAD COMPANY—MINE REPORTERS, &c

impect the accounts, and obtain such further information as he may require, the books of the company having always been open to the shareholders. June 27.

ANTIMONY AND SILVER-LEAD COMPANY—MINE REPORTERS, &c. Sin,—"M. M.'s" letter, in your last, shows the great necessity there is to examine carefully prospectuses, and obtain real practical and unequivocal reports before embarking in mining. I am fully wave of the difficulty of detecting and expessing, in due time, all the frauds and impositions complained for the great of the great

EMPLOYMENT OF SLAVE LABOUR IN FOREIGN MINES.

last accounts mention that such would be the case so soon as a small bunch of ore, recently discovered, should be worked out.]—In answer to Mr. Terry, the CHAIRMAN said, himself, and he believed all the directors, would immediately take their quots of shares; he did not expect they should get the whole 42,000L, he thought, perhaps, 30,000L, which would enable them to get on very well.

The meeting was addressed by Messrs. Fagan, J. Taylor, jun., Wray, Morris, and others, when resolutions to the following effect were passed unanimously: 14,000 shares to be issued, on which 3L is payable, by instalments of 1L on the 20th July, 20th November, and 20th December. That shareholders to have pre-emption until the 17th July, and after that to offer them to the public; that unless 5000 of such shares be taken, up money to be returned; and that should they be allotted, the entire 3L per share to be returned to the holder, out of first profits, who retains his shares on the same footing as the e.gignal; and that the directors have power to continue the issue of shares on the same footing as the e.gignal; and that the directors have power to continue the issue of shares on the same footing as the e.gignal; and that the directors have power to continue the issue of shares to the mine. Upon charging up every debt against the mine to the end of May, the balance against the adventurers was 2567L, and it was resolved that the arrears of calls (500L) should be immediately and up, and another call of 5L per share by the end of August—interest, at the rate of 5 per cent. per annumber, takes one of the mine. Upon charging up every debt against the mine to the end of May, the balance against the adventurers was 2567L, and it was resolved that the arrears of calls (500L) should be immediately and up, and another call of 5L per share by the end of August—interest, at the rate of 5 per cent, per annumber of the mine. Upon charging up every debt against the mine to the end of May, the balance against the adventurers was 2567L, and it was

ow give you a few facts, to prove that the picture and its perspective bright as he paints them.

racter, I now give you a few fucts, to prove that the picture and its perspective are not so bright as he paints them.

The company's report for 1847; gives the total number of blacks at Morro Velho, 847; deaths during the year, 22—being 2-6 per cent. The superintendent, in his general remarks, is very landatory of the medical officer for the small mortality. By the report for 1848, the number of blacks was 1100; the deaths in the year, 59, or 5-36 per cent. The superintendent, in his general remarks, does not even allude to this increased mortality of his "fellow-men and fellow-Christians." Of these 59 (men, women, and children), 16 were borers—men picked as the strongest and healthiest on the establishment. This description of force, during the year, averaged 194—showing that more than 8 per cent. of men, between 20 and 25 years of age, died in 12 months. Epidemics alone cannot be answerable for this striking mortality amongst young and strong men, when the average deaths of all ages was not 54 per cent. To account for it, I make no imaginary statement; but refer to the published records of the company, leaving to those who wrote them the task of explanation.

In the general remarks of the head mining captain, for the year 1847, the average number of borers is given at 176-53, who broke 40,859 tons of ore, or 19-28 tons per borer per month. The mining captain adds, that he hopes they will average 22 tons in 1848. By the report for 1848, the average number of borers was 198-96, who broke 61,672 tons, averaging per head 254 tons per month, or 374 per cent. more than was broken in the preceding year. It is nonsense to talk of epidemics as killing the blacks. This is an increase of labour, and consequent increase of deaths amongst the miners, to which I do not believe freene would be liable.

As to the future brillianst and permanent prospects of this mine, no one who knows anything about mining will deny that everything depends upon the force employed; and all who are acquainted with the mining district of Brazi

FOURDRINIER'S SAFETY APPARATUS FOR MINES.

Islington, June 25.

FOURDRINIER'S SAFETY APPARATUS FOR MINES.

Sin.—Knowing how open your columns are to everything that professes to benefit the mining interest, I beg to make a few remarks upon a notice which appeared in one of your recent papers. That notice was on a subject in which I am deeply interested. It professed to detail the result of some experiments instituted at a colliery on the Tyne, upon the very ingenious apparatus designed by Mr. Fourdrinier, for the protection of life and property, in the event of the breakage of ropes, or chains, by which cages are raised or lowered in coal and other mines. Further, Mr. Fourdrinier's invention was stated to have been satisfactorily tested. Now, I beg to be considered as one partaking in the satisfactorily tested. Now, I beg to be considered as one partaking in the satisfactorily tested. Now, I beg to be considered as one partaking in the satisfactorily tested. Now, I beg to be considered as one partaking in the satisfactorily tested. Now, I beg to be considered as one partaking in the satisfactorily tested. Now, I beg to be considered as one partaking in the satisfactorily tested. Now, I beg to be considered as one partaking in the satisfactorily tested. Now, I beg to be considered as one partaking in the satisfactorily tested. The satisfactory and the prospect held out by this invention, experience and the recollection of similar inventions proving failures, warrant me, on the present occasion, to enter a caceat. This I do without detracting from the ingenity of the inventor, or the excellence of the motives that have urged him in the completion of his design.

Knowing, however, as I do, the circumspection and care that attend the present arrangements in all well-regulated collieries, I have great misgivings, in fact, an extreme jealousy, of anything that may tend to diminish the vigilance exercised; as the too ready confidence inspired by such an invention becomes a bonus to the carelessness of some and the avarice of others, to avail themseves of what

drinier's project savour a little of the parachute that was to be the salvation of adventurous seronauts?—A MINE: Tees, June 27.

[From the tenour of our correspondent's letter, we must infer that, however he admires the satisfactory experiments and successful ingenuity displayed in inventions for the safety of human life, he would not avail himself of them for fear of encountering an evil in an opposite direction; and though he has lost friends by ropes breaking, he would not adopt a plan to save others, lest the apparatus might by chance fail. We cannot, however, agree with him; new ropes and chains are not always to be depended on; they have been known to fail, causing fearful and fatal disasters under a display of the greatest confidence. Our correspondent should remember that Mr. Fourdrinier's apparatus is as great a safeguard to life and property, whether the ropes, or chains, be old or new; it is constructed on sound mechanical principles, and, in fact, this very circumstance is put forward as one of its advantages. You may work your ropes, or chains, until they do actually break, or, at least, until found totally unworthy of further use, and this with almost certain safety, which alone will be productive of considerable economy, in most casses very soon covering the cost of the apparatus, and, in all, taking off an immense load of anxiety from the minds of owners and viewers. We cannot see the most distant parallel between the machine, and a parachute for descending from a balloon.]

PREVENTION OF ACCIDENTS FROM ROPES BREAKING.

PREVENTION OF ACCIDENTS FROM ROPES BREAKING. In our columns of the 16th inst., we gave a copy of a certificate, signed by several of the principal colliery proprietors and viewers of the Newcastle district, as to the security and safety of Messrs. Fourdrinier's apparatus, to which we have, on frequent occasions, directed attention. We have now the pleasure of recording additional testimency, bearing the signatures of James Mather, Esq., chairman of the South Shields Committee for Inquiry into Accidents in Collieries (a lengthy abstract of whose report appeared in our Journal at the time), and several other gentlemen intimately connected with colliery operations—George W. Arkley (viewer) and George Elliott (viewer), with Mr. E. N. Fourdrinier having descended the cage. There were many persons present who had witnessed the previous experiment, but whose names are not attached to the present certificate—this second having been made solely in consequence of the desire expressed by the several parties to witness it who had been unable to attend on the first occasion, and not from any doubt arising as to its efficiency and security in the prevention of accidents from breakage of rope, or other causes, which the apparatus is so well calculated to obviate.

Mr. Eventshies has experimented in our prevents with the states efficiency apparatus.

ther causes, which the apparatus is so well calculated to obviate.

**Describ Colliery, near Newcasile, June 25.

**Foundrinier has experimented in our presence with his patent safety apparatus reduced invariably by it the most certain and satisfactory results. The tabs, filled coals, were placed in the cage, weighing altogether about 50 cwts; and when deling in the pit the rope was detached, and by the action of the apparatus the whole mendiately arrested in its descent, but for which it would have been precipitated bottom of the shaft, 1000 ft. below. Two of the workmen then placed themselves care, and by a touch of their hands stopped this weight of 24 tons with them, in addition, instantaneously; and so satisfied were four of the gentlemen present effective nature, that they unbesistatingly committed themselves with a load of table to the protecting operation, with the same successful result. Considering the rand disastrons nature of the accidents from the breakage of ropes and chains, and Certs. to its protecting "operation", with the same successful result. Considering the important disastrous nature of the accidents from the breakage of ropes and chains, and canding over the pulley, against which the Fourdrinier apparatus completely provides, wherever adopted, a certain and complete security against such accidents. William Anderson, viewer.

George Elliott, viewer.

George William Arkloy, viewer.

Henry R. Webster.

J. C. M. Webster.

G. W. Anderson.

CAMERON'S COALBROOK STEAM COAL COMPANY.—We are given to understand that certain measures have been lately taken, whereby the original proprietors will be reinstated in their property, after receiving some tens of thousands, and, furthermore, an additional sum of 10,000L, in accordance with a late arrangement. There would appear to be a something "rotten in the tate of Denmark," were we to give credence to the reports which are spread abroad; but as we are given to understand that a further application to the Court of Chancery will be made in the course of the ensuing week, we expect, we shall then, doubtless, have an exposition, which may call for further remark. Contracts for Coala.—The quantity of coal for the French Post-office mail steamers, for delivery in July, is 4,300,000 kilos., at Calais, Marseilles, Malta, Attens, Constantinople, and Alexandria. In August, for the same ports, 4,600,000 kilos, and the several quantities for September and October will make a total since December, 1848, of 39,400,000 kilos. A large contract is about being entered into for the Mediterranean, of which due notice will be given by the Minister of Marine.

MINING NOTABILIA.

MINING NOTABILIA.

[EXTMOR WHEAL ELEA.—This mine presents a feature of the most promising character. The great north lode, in the adit level, is from 6 to 7 ft. wide, composed almost entirely of gossan, but it is that of a very inviting character. In the 12 fm. level it is still maintaining its size, but has a little more promising appearance, being at this point, composed of gossan, thickly impregnated with copper; if the improvement on this lode holds good, I have no doubt but there will be a good course of ore in the next level. The south lode, in the 12 fm. level, is about 2 ft. wide, composed of gossan and white iron, occasionally producing good stones of ore, and which, I have no doubt, at a greater deepth, will be a very profitable lode; the caunter lode, in the 12 fm. level, is about 2 ft. wide, composed of gossan, spotted with ore. In the 24 fm. level it is still larger, being about 3 ft. wide, which is composed of a beautiful gossan and mundic, producing good stones of ore. If the improvement made in this mine continues, there is no doubt but the shareholders will be handsomely remunerated for their outlay. I also find, from reports, that the progress made on this mine has been very slow of late, in consequence of a deficiency in the machinery for keeping the water, but, after an inspection, I find that during the last fortinght an alteration has been made, which is decidedly a great improvement, and will have a tendency greatly to increase the working operations, for which the agents deserve credit, as I understand they strongly recommended it for some considerable time.

Liwysnalees.—We understand that a minute inspection of this mine has just been made and that the fivourable reverse of Cerk, Hamme February.

nome considerable time.

LIVENDALEES.—We understand that a minute inspection of this mine has just been made, and that the favourable reports of Capt. Henry Francis are nore than borne out. A lead lode, 17 ft. wide, has been driven on; it contains many veins of rich silver-lead, is valued at between 30t. and 50t. per athom, and has every prospect of being one of the richest lodes in Cardiganhire. A full report will be laid before the meeting, to be held on the 10th July.

Tincroff.—We have an improvement in the 90 fm. level, west of downright shaft, on Chapple's lode, being worth 30L per fathom for tin. The lode in the 110 will shortly be cut. The 24 fathom level cross-cut is communicated to Stainby's; the stoping in the back has been commenced, and 40 to 50 tons of good ore will be produced this month; the shaft is being sunk below this level with all speed, the prospects throughout the mine being good for tin and copper.

[From the Plymouth Journal.]

BIECH TOE AND VITIME MINES.— Filifer Lode: In Dunstan's shaft there is an improvement since our last. The 10 fm. level west is producing as much tin has it has at any time done; the 10 east has much improved, it is now 4 ft. wide, producing some good work; it is within 10 fms. of the silk beds, of which the traditions as to the returns by the ancients are confirmed by the immense surface workings. There is no alteration in the Birch Tor lode since our last.

PLYNOUTH WHEAL YEOLAYD.—In the tributers' workings, on the north lode, there is a good lode. The rods are fixed, and the sinking of the shaft resumed, and it is expected that the lode will be cut in the 17 fm. level about the last week in July.

TAYL CONSULS.—I can now announce a considerable improvement. The bettorn of

TAYT CONSIS.—I can now announce a considerable improvement. The bottom, of 6 fm. level west, is in a large lode and kindly, but without ore as yet sufficient to save the cross-cut, on the cross-cut, to the cross-cut and I pit lode, is making fair progress although I would rather see the men better employed. The 24 fm. level west is stoppe for a month or two, in order to slope in the bank in a kindly lode just close to the end in the eastern rise from this level, towards the 12, the lode is much better, now producing 3 tons of ore at least per fm., and the 12 fm. level, lately resumed, is looking considerably better. We have seen 3 ft. of the lode, good work, and how much bigger cannot tell till next week.

Cannot tell fill next week.

WHELA ANDERFOR.—The prospects in this mine are still continuing good: 10 tons of
tin were shipped on the 26th June of superior quality, exceeding in value any other
raised in the two western counties. At the present standard of metal, there is a reduction in value to the amount of 12t, per ton since the meeting held on the 22d March,
which would have been equal to a dividend of it, per share on the three months outlay;
notwithstanding this the quantity has been realised, but the depression in the market,
occasioned by unforessen occurrences, has been the sole cause of loss to the spirited adventurers and their managing agent.

IMPROVEMENTS IN SMELTING COPPER.

ification of patent granted to Charles Low, of Roseberry-place, Dalston, in the of Middlesex, for improvements in smelting copper ore.—Enrolled June 28, 1849.]

This invention is very simple in its details; indeed, it may be said to have no details at all, or, at all events, it would seem so to have been considered by the patentee, and those who assisted him in the preparation of the specification, as it has not been thought worthy of illustration, even by a nere diagram, to assist the practical carrying out of the invention; however, this will argue nought against the utility of the improvements, as it is well known that complexity is no recommendation.

The description given by the patentee is as follows:-The invention con sists in the introduction of atmospheric air into furnaces employed in the nanufacture of copper, in such manner that currents of air may be ad-nitted above the melted metal, and yet below the flame and heated pro-

In the ordinary furnaces used in the manufacture of copper, apertures, or orifices, are left for occasionally admitting atmospheric air, and there are other apertures, or orifices, provided in the furnace for charging the same. Now, this invention consists in so constructing the furnaces used in the manufacture of copper, that atmospheric air may be admitted at a point, or points, above the melted metal, and yet beneath the flame and heated products at the top of the furnace, so that the currents of air so introduced, becoming decomposed and deprived of their oxygen, shall assist in the separation of the metal. Reverberatory furnaces are to be formed with aportures, or orifices, at or near the bridge, or such apertures may be at the sides of the furnace. The patentee makes no specific claim, therefore the foregoing description must be taken to comprise his claim. ducts at the top of the furnace.

In the ordinary furnaces used

Patent-office and Designs Registry, 210, Strand, June 29.

Bew Batents.

H. Bessemer, Baxter-House, St. Pancras, Middlesex, engineer, for improvements in the methods, means, and machinery or apparatus employed for raising and forcing

H. Bessemer, Baxter-House, St. Pancras, Middlesex, engineer, for improvements in the methods, means, and machinery or apparatus employed for raising and forcing water and other fluids.

T. Merchant, Derby, civil engineer, and R. Harland, Derby, carriage builder, for certain improvements, in the construction of railway carriages.

G. B. Thorneycroft, Wolverhampton, ironmaster, for improvements in manufaturing railway tires, axies, and other iron where great strength and durability is required.

T. W. Gr.y, Limehouse, brass-founder, for improvements in water closets, pumps, cocks, lubricators, and deck lights.

J. Nasmyth, Patricroft, near Manchester, engineer, for certain improvements in the methods of, and apparatus for communicating and regulating the power for driving or working machines employed in manufacturing, dyeing, printing, and finishing textile fabrics.

J. Leadbetter, Kirkby Lonsdale, Westmorland, brazier, for certain improvements in the method of raising water and other fluids, which improvements are also applicable to the propulsion of machinery, pumping of mines, and other smilar purposes.

W. Nellson, Hyde Park-street, Glasgow, engineer, for an improvement or improvements in the application of steam for raising, lowering, maving, or transporting heavy bodies.

C. Nickels, gentleman, York-road, Lambeth, for improvements in the manufacture of woodlen and other fabrics.

J. T. Forster, Plymouth, a master in her Majesty's navy, for improvements in the building of ships, boats, and other reseals, also in the manufacture of boxes, packing cases, roofs, and other structures requiring to be waterproof.

E. Woods, Liverpool, Laneaster, civil engineer, for improvements in tooms, and in the manufacture of woven and wisted fabrics.

Bram Hertz, gentleman, Great Marlborough-street, Middlesex, for improvements in quant and and didition to, fountain peas.

W. Wilson, Jun., of Campbellfield, Glasgow, Scotland, for improvements in cutting plastic tabes or tiles.

SPECIFICATIONS ENROLLED DURING THE PAST WEEK.

R. Frampton, Queen-street, Brompton, wheel plate.
C. Burrell, Thetford, Norfolk, hurdle machine.
W. H. Dupré, Jersey, deflance windguard and true ventilator.
H. Giller, Birmingham, the Gillerian stopper for decanters and bottles.
J. H. Steere, Burton-on-Trent, parts applied to diaper and shawi pins.
J. J. Brunet, Canal Iron-Works, refrigerating brasses.
T. Eldrid, and J. Aikinson, London, whip parasob.
A. Whytock, Quickest-row, New-road, shower bath.
C. H. Osborne, Birmingham, ladies' dress-fastener.—Mechanics' Magazine.

JOINT-STOCK BANKS. | DINT-STOCK BANKS | Paick | Div. p. cent | Price | Price | Paick | Div. p. cent | Price | Pri

MISCELLANEOUS COMPANIES.

	. Companies.	Publis.	Div. 3	o. cent.	Frier.
0,000	General Steam Navigation	14	14		215 21
11,600	Peninsular and Oriental Steam	50	7	*******	70
-	Royal Mail Steam		4	I	504
10,000	Australian Agricultural	30	1		16
10,000	British American Land	354		*******	14
8,915	Canada	321	6	******	31
		1			

VENTILATION OF COLLIERIES AND MINES.

The following are the instructions issued by the Secretary of State for the Hourtment to Professor Phillips, F.R.S., and T. R. Bakewell, Esq., who have be cinted to inquire into the state of collieries and troustone mines in the princip istricts, especially with reference to the system of ventilation, and to report there Suss.—The frequent occurrence of serious accidents from explosions in collieries:

pointed to inquire into the state of collieries and tronstone mines in the principal coal districts, especially with reference to the system of ventilation, and to report thereon:—
Suss,—The frequent occurrence of serious accidents from explosions in collieries having rendered it expedient that a general inquiry should be instituted into the state of collieries and ironstone mines in the principal coal districts, especially with reference to the system of ventilation, I am directed by Secretary Sir George Grey to request that you will proceed at an early period to the coal district in —, for the purpose of this inquiry.

I onclose, for your information, various reports which have been from time to time laid before Parliament connected with this subject. It appears from these reports that the chief cause of the accidents having occurred, and by which great loss of life has been caused, has been defective ventilation; and it is, therefore, of importance to accertain in what proportion of the collieries in the district assigned to you this system of ventilation is calculated to insure the active of the persons employed in them—what are the chief defects in others—how the most effectual remedy can be applied to these defects—and what general improvements can be suggested.

The risk, moreover, of accidents from a want of proper attention to shafts, inclined planes, underground works, the machinery employed, and other causes, should not be overlooked. Although, owing to the modifications of the varied conditions under which coal and ironstone of the scal measures are worked in the different coal district, is impossible to suggest with accuracy all the topics to which your inquiries should not be overlooked. Although, owing to the modifications of the varied conditions under which coal and ironstone of the coal measures as a posted in the different coal district, is, it is impossible to suggest with accuracy all the topics to which your inquiries should be directed, the annexed list of questions may be of use indirect

est such measures as appear so year tended to, you will forturate a very corresponding to the inquiry, you should hear of the occurrence of any serious ceident in any colliery within your district, it will be desirable that you should visit ach colliery without delay, and attend any investigation into the causes of the accident, eporting the result, with your opinion, to the Secretary of State. Your attention will be directed to any experiments which may come under your observation for extinguishing fites in ceilleries, for their better ventilation, or for the improved safety of the works are respect.

to you calculated to be of use; but it must be write in the depition of efficient measures, for the safe and proper working of collieries, rests with the depition of age in truettons will, it is hoped, secure to you from the owners and managers ready access to all collieries in the district. If any obstacle should arise to your aspection in particular cases, you will report it to the Secretary of State.

The production of your instructions will, it is hoped, secure to you from the owners and managers ready access to all collieries in the district. If any obstacle should arise to your inspection in particular cases, you will report it to the Secretary of State.

1. Name of colliery or ironstone mine.
2. Nearcst post town.
3. Name of proprietor of colliery or ironstone mine.
4. Name of proprietor of colliery or ironstone mine.
5. If the colliery, or ironstone mine, is under the superintendence of a resident or non-resident viewer, attending only at stated times; the name of the viewer, and his times of attendance, if non-resident.
6. State of information respecting the common principles of ventilation possessed by the minor superintendents, giving their occupations, and the local names for them.
7. Number engaged in the various occupations, with local names for such occupations.
8. If maps and sections of the workings are kept, when kept their condition and correspondence with the actual workings, the times at which they are brought up to the work, and the scales adopted.
9. Mode of lighting adopted, whether by naked lights or safety-lamps, specifying the kinds used, with the regulations in force respecting them.
10. Description and local names of the coal bed or beds worked in the colliery, and whether liable to the escape of fire-damp, choke-damp, sulplure, or by whatever names the noxious gases found in collieries may be known. If such gases get into the workings from other sources than the coal bed or beds worked.
11. Whether the escape of these noxious gases is much influenced by changes in the weather, especially those accompanied by changes in the barometer.
12. Whether the colliery or ironstone mine is worked by shaft, inclined plane, or level.
13. If by a single shaft, detail of its divisions, their several uses, and portions actually available for ventilation, and free from obstructions. The conditions of separating walls or bratitiess, and of what constructed.
15. How far this distribution of fresh, an

ACCIDENTS.

Another Patal Coal Pit Explosion.—We regret again to have to notice one of these awful catastrophes, which took piace last Saturday morning about six o'clock, at Mr. J. T. Johnson's, Lafak Colliery, near St. Helen's, which is 160 feet deep, and driven into the Rushy Park Mine. A new shaft had recently been suak to increase the ventilation, and the cause, as in most other cases, we suppose can only be conjectured. The explosion occurred in a "slant," where from 60 to 70 men were at work, and was most violent in its effects. One of the thick heavy planks at the mouth of the shaft, which tiptened the conducting rods, was blown high in the air, and falling on the head of J. Derbyshire, the banksman, fractured his skull, of which he died. Four were brought out dead, whose names are R. Norcross, T. Atherton, J. Molyneux, and J. Bradbury; twenty-two were severely indired, of whom it is expected three cannot survive. Thelyentilation of this pit must have been good, as all the bodies were recovered in less than two hours. Every man is furnished withs I amp, and it is instant dismissal to use a naked candle; nevertheless, it is supposed that one of the men must have done so, and caused the accident.

More Lives lost by a Colliery Explosion.—A lamentable accident occurrred about halfpast six o'clock in the morning of Tuesday last, at Mr. Morris' colliery, Great Bridge, near Dadley. About 70 men and boys descended the pit, which is 374 yards deep, and has seven roads, from 60 to 80 yards long. They were accompanied by the doggy, who carried with him his safety-lamp, but the explosion took place, which alarmed the whole neighbourhood. As soon as possible assistance was procured, and by eleven o'clock & men and boys were taken out, of whom eight were dead, and many of the others so much injured, that it is impossible they car recover. Six boys, up to Wednesday, remained in the pit, the atr in which was so foul none could venture in it; it is expected that af least 25 lives will be sacrifieded by the melancholy catastrophe. A

object of their immediate interment, and is adjourned to Monday next.

West Bromwich.—Wm. Bullock was killed by an explosion of fire-damp in a coal pit at
Sandy-lane, the property of Messra. Botteley and Tildesley. He was on a senfold half
way up the shaft driving a heading, and, instead of sending the rubbish up, allowed it to
remain until it impeded the ventilation, and caused the gas to accumulate until it reached
the explosive point, when his candle ignited it. He was the only person in the mine.

m.—S. and W. Bennett were crushed in the Curbar Stone Quarry beneath a heaf and rubbish; the former was killed, but the latter, though much injured, is ex-

pected to recover.

Agrather 1700 Company.—At the coal and ironstone pit, No. 3, on the farm of Hawhill, two men were killed instantaneously, and two others so severely injured, that one of them is not expected to recover.

Amble, near Neacostle.—As John Hetherington was at work in the colliery a piece of coal, about two tons weight, fell from the roof of the pit and crushed him to death.

coal, about two tons weight, fell from the roof of the pit and crushed him to death.

Merthyr.—John Davies was killed by the trams on the Dowlais incline going over him.

Geliggies.—Hopkin Richard, caliler, was killed in the Liancalach colliery, by falling
to the bottom of the pit.

R. Dobson was burnt to death in one of the Cyfartha levels by an explosion of foul air.

Tieidale.—T. Bowater was seriously injured by a fall of coal at the colliery of Messrs.

Caddick and Mason. Among the injuries he received was a dislocation of the right hip,
which, however, was speedlly reduced by the colliery surgeon.

Derbyshire.—As Matthias Taylor (11 years old) was ascending a pit belonging to Messrs.

Lancaster, at Dunatone, on arriving at the top, he slipped out of the corve, and fell a distance of 19 yards: he was killed on the spot.—As Abraham Cook (10 years old) was at
work in a coal-pit at Summercoates, near Afreton, a piece of bind fell upon him, and

erushed his head and body to such an extent, that he survived only about 24 hours.—As

George Sims (12 years old) was playing near a stone quarry, he accidentally full into a
hole, which was about two yards deep in water, and was drowned.—Derbysher and Cher
Estofies.—John Parkos way killed by a fall of coal in a wit at Preprint Field.

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Solgley.—John Parkes way killed by a fall of coal in a pit at Pryer's Field.

MAKING HAY ON A RAILWAY.—We have heard of grass growing in the streets of decayed towns, but never till now on railways—such, however, is the fact, on the line from Exeter to Crediton, where during the present week hay-making has been in full operation. This line, which was constructed three years since, is, owing to a dispute between the broad gaugers and narrow gaugers, still unopened for traffic, though there is, perhaps, scarcely another in the kingdom better situated for it.

Current Prices of Stocks, Shares, & Metals.

STOCK EXCHANGE, Se Bank Stock, 7 per Cent., 195
3 per Cent. Reduced Ann., 92 if \$,
3 per Cent. Consols Ann., 92 if \$,
34 per Cent. Ann., 92 i i \$ Long Annultes, 9 i
India Stock, 10 i per Cent., 2
3 per Cent. Consols for Opp. 92 i 2
Excheq.Bills, 1000/. 2d. & 14d. 43 6 pm.

MINES.—The bargains transacted this week in the mining share market have been very limited.

Mary Ann's have been in request, at an advance; 94 tons of silver lead ores have been sold this week, realising nearly 1400t, being two months' ruisings.

The improvements in Alfred Consols have created an inquiry for shares, at hetere rivers.

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have been sold this week, realising nearly 1400L, being two months' raisings. The improvements in Alfred Consols have created an inquiry for shares, at better prices.

Tincrofts have been in demand, an improvement having taken place in the 90 fm. level west. on Chappel's lode, which is worth 30L per fm. for tin; the stopes in the back of the 24 fm. level are productive—40 to 50 tons of good ore will be produced. The mine throughout is looking well, both for tin and copper. Shares in the following mines have been transacted:—Devon Great Consols, South Frances, West Caradon, East Tamar, Keswick, Mendip Hills, Heingston Down Consols, Brewer, Wheal Mary Ann, Alfred Consols, Trelawney, Stray Park, Kingsett and Bedford, Kirkcudbrightsbire, Birch Tor, Tincroft, Tamar Consols, South Trelawney, South Molton, Esgair Lli, Cwm Erfin, &c.

North Pool adventurers declared a dividend of 30L per share on Friday last. At the Fowey Consols meeting, the profit on four months' working to April, was shown to have been 237L is. 6d., which, added to balance of previous account, left in hand 24217. 0s. 3d.

Herodsfoot adventurers held a special general meeting, for the purpose of investigating the accounts, and appointing a manager, it was ascertained that liabilities to the amount of 2567L had been suffered to accrue. A call of 5L per share was made towards liquidating the debt, and Mr. J. Wolferstan was appointed manager, in whose hands we shall, after a few months, see a more creditable statement of accounts. The mine is represented as much improved. At the Bolanos meeting, on Wednesday, the directors' report was principally devoted to an explanation of the works which had been carried on at El Bote Mine, and the financial position of the company, from which it appeared that \$41,882 had been expended on it in 32 months, to March, 1848, of which \$15,494 were profit, and that, in the past year, further expenditure had been incurred to the extent of \$84,636. This heavy outlay had been incurred to the extent of \$84,636. This heavy outl

ment showed a balance of 760*l*. in hand, and the accounts from the mine were considered by the shareholders as very satisfactory.

In foreign mines the transactions have also been limited. Guadalcanal, United Mexican, St. John del Rey, Imperial Brazilian, and Copiapo shares, appear to be the extent of bonê fide business.

St. John del Rey directors have received letters to the 18th April, which represents the result of 10 days stamping as amounting to 7615 oitavas, being at the rate of 17-55 oits, per cubic foot of sand. The first 10 days of the month have shown an unexpected and large returns; but it was not expected to be in the same proportion throughout the month. In a comparative summary of costs of the first three months of 1848 and 1849, the expenses had increased 174 per cent, while the profits had been enlarged by 57 per cent.

By the India and China mail we have received advices of the position of the metal market in the East. At Bombay, a fair demand for copper exists at steady prices, and sales do not appear to be confined to any particular sorts. In iron, although there has been some considerable arrivals, it has in nowise effected the prices. Spelter had been scarce, and the recent imports only gave moderate stocks. Lead and steel maintained the quotations, notwithstanding the transactions were few; stocks of tin plates were light and business doing. The Calcatta market had not been so good, copper having slightly receded, and the trade dull; but a reaction has subsequently taken place, and business doine at improved prices. Spelter is represented as nearly the same: whilst quotations for lead appear nominal. English iron had receded, but now a fair demand exists, and prices improved. At Hong Kong, the business has been chiefly confined to iron and steel, and transactions but few.

The Peninsular and Oriental steam-ship, Montrose, arrived at Southampton on Sunday, having on freight 18 packages of specie, valued at 8000L; and the company's ship, Indus, arrived on Wednesday evening with 450 packages of specie, and five packages of gold on freight; total value, 177,443L, the greatest portion being remittances for account of the Hon. East India Company.

HULL, THURBDAY.—We have pleasure in noticing an improved market for railway shares, so far as prices are concerned, although the demand cannot yet be called active. The forthcoming reports of the committees of investigation are looked forward to with anxiety, and their tenor will probably, for a time, determine the range of prices.

Names of Railways. | Length. | Present ac- | Price | Div. | Traffic Returns.

RAILWAY TRAFFIC RETURNS.

Names of Railways.	1849	1848	tual cost.	p. share	1848	1849	1848
Aberdeen	33	16	1,000,547	181 18	_	_	£ 400
Belfast and Ballymena	371	37		20	5*	£542	439
Birkenhead, Lancashire, & Chesh.	19	15	1,088,804	37	54	1008	887
Bolton, Blackburn, & West Yorksh.		-	786,384	78		420	-
Bristol and Exeter	754	754		66	-	5003	-
Caledonian	141	141	4,865.135	261	3	5781	4072
Chester and Holyhead	84	594		174 4	4	2537	1112
Dablin and Drogheda	35	354	774,875	29	-	829 1033	1000
Dublin and Kingstown	474	75	395,915	20	61	1029	781
Dundee, Perth, & Aberdeen Junc. East Anglian (Lynn to Ely)		478 554		24	0,	649	1090
East Lancashira		24	2,628,519	17 174	5	3142	1052
Eastern Counties and Norfolk		295	12,027,069	84 4	-	15981	15810
Eastern Union	501	504	1,712,703	13		1329	1207
Edinburgh and Glasgow		524	2,644,378	421	6	3509	3402
Edinburgh and Northern		34	2,232,115	11	2	2059	1449
Glasgow, Paisley, and Ayr		74	2,574,330	564	3	2724	2066
Glasgow, Paisley, & Greenock		23	848,328	13	2	1049	1097
Gt. Northern & East Lincolnshire		-	4,255,171	101 1	51	2005	-
Gt. Southern & Western, Ireland		1101	3,172,519	31	6†	3418	2234
Great Western	230	2064	11,608,815	83 4	6	19172	22985
Kendal and Windermera	104	104	174,600	8.	-	195	188
Lancaster and Carlisle	70	70	1,476,102	51	40	-	2018
Lancashire and Yorkshire	206	127	9,218,450	79 80	54	13976	12090
Liverpoel, Crosby, & Southport	13	-	84,455		-	217	-
London and North Western	435	428	25,077,942	134 2	7	44262	45505
London and Blackwall	54	4	1,299,675	4 4 5	1-12	1135	1336
London, Brighton, & South Coast	170	1624	6,382,281	371	24	10371	10350
London and South-Western	216	194	7,510,689	364	5	11384	10926
Londonderry and Enniskillen	144	14	171,026	16	5	146 3631	153 3338
Manchester, Sheffield, & Lincolnsh.	1294	944	6,048,679	70 694	544	22457	23112
Midland Company	50	364	725,332	244	4+	1029	910
Monklands	37	901	500,000	248	6	1020	-
North British	1094	83	3,649,055	134	44	2746	2016
Scottish Central	451	08	1,364,228	24	7	1292	833
Shrawsbury and Chester	48	23	969,618	142	5	1576	632
South Devon	574	29	1,909,232	12 13	5	1858	1588
South-Eastern	1654	1654	8,116,914	204	54	9275	10293
Taff Vale	40	40	879,110	-	71	2535	1846
Ulster	36	36	723,829	452	- 1	736	783
West Cornwall	13	-	-	-	-	-	-
Whitehaven Junction	12	12	150,879	98	3	236	214
York, Newcastle, & Berwick	269	242	6,827,849	214	7	13384	12554
York and North Midlend	2554	234	4,983,618	32	7	7262	8042
FOR	EIGI	RA	ILWAYS.	. *			
Amiens and Boulogne	761	68 1	1,462,562	71 1	24	1025	1086
Dieppe	26	-	_	-	-	-	-
Dutch Rhenish	571	571		4 4	-	-	1210
Monterean and Troyes	- 714	714	-	-	-	973	-
Northern of France	211	211	7,142,890	101	-	12076	10464
Orleans to Bourges (Central)	107	107#	1,229,848		4	2643	1689
Orleans to Tours	72	72	600,000	32	6	2902	2630
Paris and Orleans	82	82	2,011,720	31	81	7300	6748
Paris and Rouen	85	85	2,082,916	211 1	5	-	-
Rouen and Havre	591	-	2,272,176	10#	-	3	-
Strasburgh and Basle (monthly)	88	88	The section of	6	-	-	-

West Flanders (ditto) | 88 | 88 | 6 | 12 | - |

West Flanders (ditto) | 12 | - |

Per cent.—† Interest.—Total for last week, £220,086, being an increase of £5,060 over last year.

Foreign gold, in bars ... per oz. £3 17 9 New dollars per oz. £0 4 10

"Portugal pleces.... 0 0 0 Silver in bars (standard) 0 4 114

EXPORTATION OF THE PRECIOUS METALS.—The following are the official returns of the exports of gold and silver from the port of London for the last week:—Silver bars to Rotterdam, 172,000 cances; ditto to Hamburgh, 10,000; ditto to Belgium, 28,006—Silver see coin to ditto, 3000; ditto to Rotterdam, 5000—Gold coin to Mauritius, 2704; ditto to Hamburgh, 250.—Silver specie to Mauritius, £1000.

THAMES TUNNEL COMPANY
The number of passengers who passed through the Tunnel in the week ending June 2
was—No. of passengers, 13,913.—Amount of money, £57 19s, 5d.

PRIORS OF M	ANING BRAKES.
BRITISH MINES.	BitTISH MINES continued. Shares. Company. Paid. Price 138 South Caradon 5 . 400 1100 South Doiceath 4 5
Shares. Company. Paid. Price	Shares, Company, Paid. Pric
1024 Alfred Cousols 87 12 12	1100 South Caradon 5 400
1000 Antimony&Silver-Lead 5 — 1024 AshburtonUnited Mines 8‡ 12	1 400 Stil. Friendin, Wh. And 30 28 .
1624 Halleswidden 9 18	256 South Molton 5 15
1624 Balleswidden 9 18 128 Balnoon Consols 424 80	256 South Tolgus 16 · 44 · 256 South Trelawny 284 · 5 · 2000 South Wales Mining Co. 1 · 1 · 1 · 128 South Wheal Basset · 204 · 336
10000 Banwen fron Co 6 6 6 1000 Barristown 54 11 2	2000 South Wales Mining Co. 1. 1 1
1000 Bawden 1 1 1	
	256 South Wh. Josiah
1244 Birch Tor Tin Mine 9 . 52 8000 Blaenavon 50 . 124	10000 South Wh. Maria 21 1
5000 Blisland Consols 6	280 Spearne Moor 30 40
	296 St. Austell Consols 9 —
120 Brewer 5 5 5 10000 British Iron, New, regis. 12 8	94 St. Ives Consols 80 128 St. Michael Penkivel 5 10
- Ditto ditto, scrip 10 10	128 St. Michael Penkivel 5 10; 999 St. Minver Consels 1 6
128 Budnick Consols 52½. 12½ 1000 Callington	1000 Stray Park 43 17
1000 Camborne Consels 6 . 6 6	1024 Tavy Consols 6 14 c
20000 Cameron's Steam Coal 7 12	999 St. Minver Consols 1 6 1000 Stray Fark 43 177 9600 Tamar Consols 3 8 1024 Tavy Consols 6 12 9 6000 Tincroft 7 114 1 1000 Tin Valu 28 88 Tokenbury 770
256 Caradon Copper Mine 91 12 256 Caradon Mines 224 10 256 Caradon Mines 24 58 256 Caradon Wh. Hooper 21 42 1000 Carn Brea 15 100 2000 Carthew Consols 14 5	6000 Tincroft 7 11 1 1 1 1 1 1 1
256 Caradon United 24 5 8	256 Tregordan 2 3 4
256 Caradon Wh. Hooper - 21 - 41 1000 Carn Brea 15 - 100	256 Trehane
2000 Carthew Consols 14 5	2000 Trenance
	2000 Trenance 3
500 Combiawa 52 41 128 Comfort 45 52 256 Condurrow 20 80	120 Trethellan 8 . 15 1
256 Condurrow 20 80	200 ITEVEND
Zato Cook's Kuchen 14 24 3	
1000 Coombe Valley Quarry 31 41 1000 Copper Bettom 11 61 212 Craudock Moor 231 5	256 West Caradon 25 374 128 West Buller 10 320 256 West Caradon 20 120
212 Craudock Moor 234 5	256 West Caradon 20 120
128 Creeg Braws120 30 500 Cubert Mine121	912 West Fowey Consols 40 12
1000 Cwm Erfin 3 24 34	200 West Seton 40 165
200 to Priorit Buckfurtheigh	- West of Scotland IronCo. 240 90
7100 Derwent	120 West Trethellan 5 16
1024 Devon Great Consols 1 190	512 West Wheal Frances 14. 2
1000 Dhurode 2 3	256 West Wh. Friendship. 0 s
182 Dolcouth 30 15 2560 Drake Walis 51 3 4	3725 West Wheal Jewel
9000 Darham County Coal 45 9	256 West Wheal Treasury 19 42 51 8
3000 Dyingwm 10 124 512 East Alvenney 54 6	1024 Whiddon Mines 42 2
512 East Alvenney 54. 6 2500 East Birch Tor 3 3	5200 Wickiow Copper 5 82 1 107 Wheal Adams 79 30
119 East Caradon 47 47	1000 Wheal Agar 8
2045 East Crowname of 4	256 Wheal Albert 10 1 240 Wheal Anderton 251 294
512 East Combe Silver-Lead 64. 64	240 Wheal Anderton 251 291 128 Wheal Ann 504
9000 East Tamar Consols ‡ ‡	
94 East Wheal Crofty 125 65 70	1024 Wheal Ash 44 8 120 Wheal Bal 52 15
512 East Combe Silver-Lead 64 69 69 69 69 69 69 69 69 69 69 69 69 69	120 Wheal Bal
- East of Scotland Iron Co. 5 1	256 Wheal Blencowe 21 12
123 East Wheat Seton 14 10 1280 Esgair Lli 13 3 2 4 248 Exmoor Wh. Eliza 6 6 494 Fowey Consols 40 45 1024 Freidd Liwydd Mines 14 3 34 3400 Gadair 2 2 2 3400 Gadair 2 2	
248 Exmoor Wh. Eliza 6 6	268 Wheal Courtenay 124
494 Fowey Consols 40 45	256 Wheal Fortescue 15 — 388 Wheal Franco 27 12 15
400 Gadair 2 2	
ton den mini conor men	100 Wheal Henry 20
256 Gonamena 44½ 16 128 Goonvrea 4 2	100 Wheal Henry
256 Grambler & St. Aubyn 80 12 15	512 Wheal Mary Ann 5 25
100 Great Consols 1000 120 512 Gt. Wh. Rough Tor Con. 181 20 22	208 Wheal Mary Consols. 601 8 360 Wheal Oak 6 71
	- Wheal Penhale 12
256 Gwinear Consols 7	210 Wheat Prospect 4 7
5000 Heiguston Down Con 1 1 256 Herodsfoot 27 10 11	120 Wheal Reeth 41 150 128 Wheal Rose 60 3
0000 Hibernian 124 12	198 Wheal Seton 214 250
239 Hobb's Hill 6 14	180 Wheat Sisters 354 5
000 Holmbush 22 . 10 15 536 Holne Park 2 . 2 4	494 Wheal Sophia 41 5 128 Wheal Spearne 10 70
024 Kingsett and Bedford 1 4 5	198 Whear St. Ann 20 25
787 Kirkeudbrightshire 81., 21 048 Lamherooe Wh. Maria 8 21	559 Wheal Trescoll 9 10 15
252 Lanartii Consois 4	260 Wheal Trelawny 72 70 75 256 Wh.Tremaine(St.Ervan) 94 22 1024 Wheal Tremayne 94 3 4
252 Lanartii Consols 4 128 Lelant Consols 90 40	1024 Wheal Tremayne 94 3 4
160 Levant	92 Wheal Tryphena140 100 1000 Wheal Vincent 22. 7
000 Llwynmalees 8 8 84	256 Wheai Viow (Perranz.)
600 Llynvi Iron 50 50	255 Wheai Vlow (Perranz.)
256 Lostwithiel Consols 19 14	250 Wheat Williams 28g 8
000 Mendip Hills 3 11	FOREIGN MINES.
128 Metha 34	15000 Asterian Mining Company 141 22 15000 Asterian Mining Co 15 . 32 2
280 Nant-y-cria 4	15000 Astarian Mining Co 15 . 34 £ 20000 Apptralian 42
256 New East Crowndale. 34. 24	10000 Anglo-Mexican Co 100 4
100 North Pool 45 . 580	12374 Ditto Subscription 25 14
256 North Wheal Basset 10 10 12 000 Northern Coal Co 23 . 2	3000 Bolanos
000 Northern Coal Co 23 . 2	10000 Brazilian Imperial 23 3
128 Par Consols 55\$ 650 000 Pennant & Craigwen 2 \$ 1	12000 Cobre Copper Co 40 241 10000 Copinpo Mining Co 14 31 20000 General Mining Ass'n. 20 14
000 Pennant & Craigwen	20000 General Mining Ass'n. 20 . 14
512 Plymouth Wh. Yeoland 64 6 200 Polsaith Consols 54 44	4000 Guadalcanal 5 8 9
	5000 Kinzigthal Mining Ass. 2 . 11 5051 Mexican Company 591
000 Rhymney Iron 50 13	1 1 1 1 1 1 1 1 1 1
000 Ditto New 7 61	104000 N. Brit. Australasian 1 2
256 Rosewarva Mines — 12	7000 Royal Santiago 10 54
048 Runnaford Coombe Tin \$ 12 000 South Tamar \$ \$	104000 N. Brit. Australasian 1 2 7000 Royal Santiago 10 5 11000 St. John del Rey 15 10 10 10 10 10 10 10
000 South Tamar # 1	13174 United Mexican Av. 284 34 nts, or others interested, furnishing us with
	no, or omer simer cases, fur attaching us with

We should feel greatly obliged by agents, or others interested, furnishing us with such corrections for our Shave List as we may not have received through our usual channels of information—our object being, to present a accurate a list of prices as can be obtained—to procure which, we solicit the aid of correspondents in general.

ENGLISH IBON. a per ion.	i Tile
& square, London £6 0 0	Old copper e per lb. 74d
6 15 0	FOREIGN COPPER.
7 15 0	South American, in bond
ngles) 8,15 0	ENGLISH LEAD, q
ardiff & Newport 5 0 0-5 5	Pigper ton 16 0 0
etal, Wales* 3 15 0	Sheet 16 15-17
thracite* 3 15 0	Red lead
ales 3 10-4 5	White ditto 22 0 0
o. forge 2 17 6-3 5	Patent shot 19 15 0
. I, Clyde net cash 2 4-2 7 0	FOREIGN LEAD. À
atent Refined Iron	Spanish, in bond
rails, &c., free on } 3 15 0	American ditto
Newport*	
or tin-plates, boiler 3 4 10 0	ENGLISH TIN.
Patent 7 in Glasgow2 17 6-3 2 6	Block
ed Pigs in Wales 3 10-4	Bar
ire bars, at the works 6 0	hand a second se
affordshire 3 0-3 10	FOREIGN TIN &
5 5 0	Banca, in bond 3 18-4 0
4 0 0	Straits 3 16 0
FOREIGN IRON. b	Peruvian (6 mo 24 p. ct. dis.)
11 10-12	TIN-PLATES.
····· =	IC Coke per box 1 6 3
	IC Charcoal 1 12 0
	1X ditto 1 16 0
	SPELTER. M
POBLIGN STEEL. C	Plates, warehousedper ton 15 0-15 10
eg14 0 0	Ditto, to arrive
ot	ZINC. B
ENGLISH COPPER. d	English sheet per ton 24 0 0
eathing, & bolts, p. lb. 0 0 9	
eper ton 79 10 0	QUICKSILVEROper 7b. 0 3 2
a. 6 months, or 21 per cent, dis.	; b, ditto; c, ditto; d, 6 months, or 3 per ct.
	to; g, ditto; h, ditto; i, ditto; k, net cash :
	3 months, or 14 p. c. dis. : o. ditto. 14 dis.

Sheets, shee Tough cake Terms.— dis; e, 6 m l, 6 months * Cold-blast, free on board in Wales.

* Cold-blast, free on board in Wales.

REMARKS.—There is no alteration to notice in the fron market this week, except that the advance in Scotch pig-iron has not been maintained, the price having fallen back to about the old level, with a dull market. We quote the price to-day 48s. 67. for mixed Nos., and 44s. for all No. 1, free-on-board at Glasgow. There is a considerable accumulation of stock at Glasgow; and, at Runcorne and Fleetwood, larger stocks than we have ever known. At the former port it is estimated at 43,000 tons; and, at the latter, 20,000 tons. Advices from the United States represent the iron market there to be exceedingly depressed, and that the stocks of both pig and bar iron had increased to a great extent. Under these circumstances, unless the make be much reduced, it is considered highly probably that lower prices will rule.

Under these circumstances, unless the make be much reduced, it is considered highly probably that lower prices will rule.

BIRMINGHAM, Jone 29.—As I intimated a week or two since, there is to be another fall in the price of fron. The fronmasters, having no alternative, have formally signified their consent to another reduction, and the fact, which everybody connected with the truly one, held on Thursday. The reduction is to be 19s. per too, but the trade icin such a depressed state that there are doubts as to whether this will be sufficient, and it is not improbable that before the quarter-day this decision may be set aside for a still further reduction. Stecks are said to be not large, but there is scarcely any demand for the

mmodity, and several forges have been put out of blast since last quarter-day. The and notice for the reduction of wages in proportion was to be given by the workmen

last evening.

LIVERPOOL, JUNE 29.—A fair business has been transacted during the week in manufacturer's iron at former rates. The speculation in Scotch pig has crawed; and there are now eager sellers at 44s, per ton for mixed Nos, without leading to business. The largely accumulating stock, and the absence of demand from the States, and still more from the continent, justified the anticipation of lower prices. At least 110 furnaces are now in blast in Scotland, and five or air more are preparing to blow in—30 that, taking the average production at 120 tons per week. Tin plates are duil of sale at 29s. to 30s. for I.C. best charcoal, and 25s. 6d. for I.C. coke. No change in lead or copper, which are in moderate demand.

PRITISH BANK.—As the DEED of CONSTITUTION is now in the COURSE of SIGNATURE by the shareholders, preparatory to the bank being INCORPORATED by ROY AL CHARTER, applications for the remaining UNALLOTTED SHARES, addressed to the scretary, must be accompanied by PAY.

Temporary Offices, 52, Threadneedle-street, London.

COLONIAL BANK .- The court of directors of the Colonial OLONIAL BANK.—The court of directors of the Colonial BANK intereby give Notice, that, in pursuance of the provisions of the Charter, a HALF-YEARLY GENERAL MEETING of the proprietors will be HOLDEN on Tuesday, the 3d of July, 1849, at Twelve for One o'clock precisely, at the London Tavern, Bishopsgate-street, to receive the report of the proceedings of the corporation, and for the election of a director, in the room of Henry Barkley, Eaq. M.P., who has resigned.—Sir Walter Minto Townsend Farquhar, Bart, offers himself as a candidate for the vacancy. In pursuance of the provisions of the Charter, the court of directors give Notice, that every proprietor intending to become a candidate, or to propose some other proprietor as a candidate for the vacancy in the direction, must, within 10 days from the date hereof, signify, by some writing under his or her hand, to be left within the same 10 days, at the office of the corporation, either his own intention to become a candidate, or the name and place of abode of the candidate intended to be proposed by him or her.

The court of directors further give Notice, that, in accordance with the Charter, a list of candidates, with the name of proprietors (if any) by whom they are proposed, will be exhibited in the office of the corporation will be closed on the 16th inst., and re-opened on the 16th July next.

By order of the court of directors,
13, Bishopegate-street-within, June 2, 1849.

C. A. CALVERT, Secretart—

The Tanker Tanker

PATENT IMPROVEMENTS IN CHRONOMETERS, WATCHES AND CLOCKS.—E. J. DENT, 82, Strand, and 33, Cockspur-street, watch and clock maker, BY APPOINTMENT, to the Queen and his Royal Highness Prince Albert, begs to acquaint the public, that the manufacture of his chronometers, watches, and clocks, is secured by three separate patents, respectively granted in 1866 1840, 1842. Silver lever watches, iewelled in four holes, 6 gs. each; in gold cases, om £8 to £10 extra. Gold horizontal watches, with gold dials, from 8 gs. to 12 gs. each, or Meridian Instrument, is now ready for delivery.—Pamphlets containing a description and directions for its use 1s. each, but to customers gratis.

THE PATENT OFFICE AND DESIGNS REGISTRY,

INTER ATENT OFFICE AND DESIGNS REGISTRY,
INVENTORS will receive (gratis), on application, the OFFICIAL CIRCULAR OF
INFORMATION, detailing the eligible course for PROTECTION of INVENTIONS and
DESIGNS, with Reduced Scale of Fees.
Messrs. F. W. CAMPIN and CO. offer their services, and the benefit of many years
experience, in SECURING PATENTS and REGISTRATIONS OF DESIGNS, with dueregard to validity, economy, and dispatch—assisted by scientific men of repute.
Also, in MECHANICAL and ENGINEERING DRAWINGS, whether connected with
Patents, Railways, or otherwise, by a staff of first-rate draftsmen.
Application personally, or by letter, to F. W. Campin and Co., No. 210, Strand (corner of Essex-street).

Pent-y-mwynditto	To			Pri			Purchasers.
ditto		0	€	9 7			
				9 7			Walker, Parker, & Co
en-yr-henblas		2		9 16	6		
ditto	9	2		9 16	. 6		J. P. Eyton.
ditto				9 17			
Vestminster	5	0		8 15			ditto
amaica	4	0		9 10			ditto
Belgraves	3	0		9 3	0		Mather & Co.
lelwr	6	0		1 0			
faes-y-safa	5	0		9 3	0		
lalken Hall		9	1	0 8	6		Newton, Keates, & Co
fachynlleth	5	3		9 17	6		Walker, Parker, & Co
Black Craig	4	6		8 16	0		
airnsmore	4	0		8 10	6		ditto
hallee	3	5		4 3	6		Walker, Parker, & Co
ditto		34		9 0	0		ditto
ditto		9å		9 3	0		ditto
ullonroy		7		1 3	0		ditto
ditto	:	2		9 15	0		ditto
Sold at	the L	Dee Bar	ak Ho	tel. 1	Tol	nvell.	
trontian							Newton, Kentes, & Co
	8	old at	Liskea	rd.			
heal Trelawny	10	6	. £1	7 0	. 0		Walker, Parker, & Co.
Theal Mary Ann	6	0	1	7 18	6		Somers and Michell.
ditto	3	1		9 8			Pontifex and Co.
	S	ld at t	he Mi	12.0			
ast Wheal Rose	. 81		£I	1 14	6		J. T. Treffry.
ditto	7		1	1 10			T. Somers.
ditto	5		. 1				R. Michell & Son.
		old at					III MICHELL OF DOM.
heal Adams	96	Olde too	£1	0 1			Sims & Co.
allington Mines	56		1	2 10	0	****	
ast Tamar	71		en	1 6	6		Sims & Co.
				_	o	****	Sille of The
los	A	old at	Bagil	u.			136
eel	. 70		. £1	0 2	0	****	Walker, Parker, & Co
	BI	ACE	TI	N.			

30 5 0 Blasoe Company. COPPER ORES

At SWANSEA, for sale July 5.—Cobre 115, ditto 107, ditto 74, ditto 20, ditto 114, ditto 105, ditto 100, ditto 13.—Knocknahon, 83, ditto 67, ditto 61, ditto 30.—Cuba 90, ditto 48.—Berebawen 199.—Ballymurtagh 53, ditto 48.—Kaw-aw 75.—Aberdovey 35.—Liamidices 14.—Gloster Slag 9.—Total quantity of ores to be sold, 1390 tons.

COPPER ORES.

Sampled June 13, and Sold at Farquarson's Hotel, Truro, June 28, 1849.

Arines.	Ton	8.		Pric	C.	Mines.	Tons.			Pric	90
United Mines	129		€ 3	12	0	South Caradon	89				
ditto	118	****	3	0	6	ditto	76		7	10	- 6
ditto	106		3	1	0	ditto	23		3	13	- 2
ditto	104		3	4	6	Par Consols	82		5		- 2
ditto	102	****	3	15	6	ditto	71		3	9	1
ditto	94		3	5	6	ditto	67		5	19	- 7
ditto	91	****	3	11	6	ditto	56	****	3		1
ditto	90		3	2	0	Tresavean	98		2	10	
ditto	89	****	2	17	6	ditto	58		4	19	- 2
ditto	83		3	2	6	ditto	15		0		- 2
ditto	77		3	3	6	West Wh. Jewel	58		3	17	- 2
ditto	75		5	16	6	ditto	26		9	16	- 2
ditto	73		2	19	0	Treleigh Consols			3	ň	
ditto	71		3	10	6	ditto	25		11	6	6
ditto	58		1	17	0	ditto	17		2	6	0
Wh. Comfort	90		1	6	6	West Trethellan	27		2	14	0
ditto	76		1	9	0	.Wh. Brewer	16		ī	11	U
ditto	70		1	9	6	Williams's ore	10		0	17	9
ditto	65		2	0	0	North Downs			3	13	0
South Caradon	92	****	5	12	0	Francis'sore			3	3	6

TOTAL PRODUCE.

£	4546	16	0	Treleigh Consols	82		£442	4	
	462	14	0	West Trethellan	27		79	18	-
****	1939	5	0	Wh. Brewer	16		95	4	i
****	1312	12	6	Williams's ore	10		R		
	546	6	0	North Downs	9	****	33	1	-
****	296	15	0	Francis's ore	12	****	38	2	(
		462 1939 1312	462 14 1939 5 1312 12 546 6	462 14 0 1939 5 0 1312 12 6	462 14 0 West Trethellan 1939 5 0 Wh. Brewer 1312 12 6 Williams's ore 546 6 0 North Downs	462 14 0 West Trethellan 27 1939 5 0 Wh. Brewer 16 1312 12 6 Williams's ore 10 546 6 0 North Downs 9	462 14 0 West Trethellan 27 1939 5 0 Wh. Brewer 16 1312 12 6 Williams's ore 10 546 6 0 North Downs 9	462 14 0 West Trethellan 27 72 1939 5 0 Wh. Brewer 16 25 1312 12 6 Williams's ore 10 8 10 8 33 34 35	546 6 0 North Downs 9 39 1

COMPANIES BY WHOM THE ORES WERE PURCHASED.

- AMERICAN AND AND AND AND AND AND AND AND AND A	A WAST	10	THEOUNE.				
Mines Royal	113		368	9	6		
Vivian and Sons	317	*****	986	4	6		
Freeman and Co	118	*****	361	8	0		
P. Grenfell and Sons	423	** ***	1565	8	9		
Sims, Willyams, and Co	500	*****	1533	13	3		
Williams, Foster, and Co	795		3454	9	6		
Schueider and Co	362		1455	2	0		
Total tons	2628	£	9724	8	6		

NOTICES TO CORRESPONDENTS.

- press upon our correspondents, the necessity of invariably furnish for names and addresses—not that their communications should, c be noticed, but as an earnest to us of their good faith.
- are compelled to postpone a continuation of the valuable statistical papers on the New Market in Hungary; "—also a paper "On Gas-Lighting—its Progress and cospects"—with notice of Mr. Rutter's new work.

 Broker "(Corabill).—A full report of the case, with the decision of the judges, will found in another column.
- be found in another column.

 3. M.* (Kentish Town).—We endeavour, in our answers to correspondents, to give the most correct information we can obtain; on occasion we may be unfortunate in the selection of our authorities. In a science like chemistry, where the improvements o to-slay may conflowed the theories of yesterday, conflicting opinions are liable to occur and it is difficult to seedie without practically experimentalising. The notices, in the instances referred to, were on the authority of Parkinson's Menoranda Chemica, page 182, 284, &c. This work we have generally found to be correct; it is principally collated and compiled from Sir Humphrey Dary's Lectures, and the Systeme des Connoises ance Chemique of Fouriery; Wollaston, Kiaproth, Chevenik, Hatches, and Habington, are likewise largely quoted from.
- are likewise largely quoted from.

 Rescrizo-Maonetres as a Morvez-Power.—Since the notice to correspondents, in last week's Mining Journal, in which we stated that Mr. Hjorth's engine probably gave 20 strokes per minute, we have made ourselves further acquainted with the power developed, and find that, during all the experiments, it has nover been less than 30 strokes perminute, and 70 has been obtained; whilst its capabilities as a motive-power has been ascertained to be about 14-horse power.

 "Miner" (Camborne).—We cannot inform you whether the Hudson's Bay Company intend sending out any miners to Vancouver's Island. They have the repute of being very bad colonizers; probably the recent debates which have taken place in the House of Commons on this subject may induce them to abopt some effective measures. The governor of the company is Sir J. H. Pelly. A letter addressed to him would, no doubt, receive an answer.
- doubt, receive an answer.

 F. M." (Dublin).—We have not heard that tin has been found in any abundance in Spain; there are deposits of that metal in Gallicia, but they have not as yet been worked. There are lead, silver, copper, and coal mines in several of the Spain's districts. Coal exists in Portugal in the provinces north of the Douro; but the inertness of the resident hidalgos, and the unsettled habits of the population, has rendered them careless of its value.
- less of its value.

 "T. B." (Ripon).—Mr. Brooke Evans, of the firm of Evans and Askin, of Birmingham, possesses nickel-works in Hungary and Norway. The iron-works near Warsaw are managed by Messrs. A. and D. Evans.

 leorge Stafford (Blackwall).—In the vessels which ply on the Mississippi the paddles are made with a ciutch, or friction strap, so that they may be thrown out of gear, and the engines may be turned, so as to feed the bollers when the vessel is alongside a wharf, without moving the paddle wheels. The steam-vessels plying on the Mississippi are chiefly built at Pittsburg and Cincinnati.

 [Riststein, (M. increase)]. Prof. Faragara, heture: "On the Creatalline Polarity of Ris-
- chiefly built at Pittsburg and Cincinnati.

 Electricus "(Liverpool) Prof. Faraday's lecture "On the Crystalline Polarity of Bismuth and other Bodies, and its Relation to the Magnetic Form of Force," was delivered at the Royal Society on the 7th Docember, 1848, and reported in the Maing Journal.

 John Slater (Newport) The following process has been recommen ed for soldering castion with wrought-iron: Melt filings of soft cast-iron with calcined borax in a crucible, then pulverise the black vitreous substance which is thereby produced, and sprinkle it over the parts which are intended to be united; after which heat the pieces of cast and wrought-iron, and weld them together on an anvil, only using gentle blows.
- and wrought-tron, and weld them together on an anny, only using genue bows.

 An Enquirer "Deventry.)—Mr. Cadet Vaux says, the best method of extinguishing:
 fire in a chimney, is by throwing on the coals in the grate some flour of sulphur
 which, combining with the oxygen, forms sulphurous acid, and, being a non-supporte
 of combushon, as it passes up the chimney puts out the fire.

 *F. B." (Colchester).—The exports of British and Irish produce and manufactures fro
 the United Kingdom, consisting of textile manufactures, hardware and cutlery, earth
 enware, metals, machinery, leather, glass, coal, sugar, &c., were, for the year ende
 5th January, 1849, 46,407,939.

 Lithographic crayons are thus prepared:—Pur
- wiware, metals, machinery, leather, glass, coal, sugar, &c., were, for the year ended 5th January, 1849, 46,407,5391.

 "A Draughtsman" (Klimacthomas).—Lithographic crayons are thus prepared:—Pure was of the best quality, 4 parts; dry waite tailow soan, 2 parts; white tailow, 2 parts; gum lac, 2 parts; lampblack, enough to make a dark tint, and occasionally 1 part of copal varnish. The was is to be methed over a genite fire, and the lac, broken to bits, is then to be added by degrees, stirring it the while with a spatula. The soap is next-introduced, in fine shavings, and when the mixture of these substances is very intimately accomplished, the copal varnish, with the lampblack, is poured in. The heat and agitation are continued, till the paste has acquired a suitable consistency, which may be recognised by taking out a little; let is cool on a plate, trying its quality with a penknife. This composition, on being cut, should afford britte alices. When ready it is to be poured into a brass mould, made, of two semi-cylinders, joined together by rings, forming between them acylindrical tube, of the crayon size. The mould should previously be slightly-greased. Lithographic ink is composed of, mastic 8 ozs., shellac 12 ozs., and Venetian tarpendine loc. neit these together, and add was 1 b., tailow left the mixture cool, and then pour it into moulds, or on a slab , it can then be cut into convenient pieces for use.

 R. H." (Cornhill).—Roasting of the white metal produces black convertible contents.
- into convenient pieces for use.

 48. H.** (Cornhill).—Roasting of the white metal produces black copper; the process generally takes from 19 to 29 hours. After the metal has been allowed to sweat for some time, it is melted down, the slag skimmed off, and tapped into sand beds. Great care must be observed that these are not damp, as, if there is any humidity in them, steam is generated by the hot copper, and an explosion, not unfrequently attended
- with danger, is liable to occur.

 W. P." (Wych-street).—Old briss-work may be thus cleaned and prepared for re-lackering:—A strong lye of wood ashes, strengthened by a small quantity of soap lees, must be boiled. The old brass-work must be dipped in this, when the lacker will immediately come off. Have ready a pickle of aquafortis and water, strong enough to take off the dirt; wash the brass immediately after in clean water, then dry it well, and re-lacker it.

- lackering:—A strong lye of wood ashes, strengthened by a small quantity of soap lees, must be boiled. The old brass-work must be dispered in this, when the lacker will immediately accorded to the dirt; wash the brass immediately after in clean water, then dry if well, and re-lacker, it.

 Minerallia (Camborne).—Lapis-lazuli is composed of silica 69°0, alumina 11°0, line 16°0, soda and potash 8°0, oxide of fron 6°0, magnesia 2°0, sulphuric acid 2°0. Its specific gravity is 2°90. It is found must be supported to the control of t
- in 128, took them all away out the central theory, as applied the theory termanner."

 Edward Harries (Canterbury) writes—"In Mr. Landor's Lefodden, or the Exiles of Norseay, he gives a vivid picture of the miseries of the convicts who are transported to the mises of Cronberg. When once sentenced to imprisonment, they never again see the light of day. Can such things exist, in the 19th century, so near our own shores as Norway? I had thought there was a possibility of such tyramy in despotic Russia; but did not believe it would be tolerated in a constitutional country. Can you, in your valuable Journal, give me any account of the regulations which are adopted to govern the convicts?"—It is not castomary for the Norwegian Government to transport their convicts to the mines. The miners are all freemen; they remain underground from six to eight hours per diem. There are no mines of Cronberg, nor is there such a place in Norway. There are silver mines at Kongaberg, in the south of Norway. The nearest mine to Lofodden, which is in the north, is the Alten, which is situated about 120 miles to the northward. Mr. Landor appears to have a very limited knowledge of the localities of the northward. Mr. Landor appears to have a very limited knowledge of the localities of the northward. Mr. Landor appears to have a writer of fettion, and appears to have listerally made use of the localities of the northward. Mr. Landor appears to have a writer of fettion, and appears to have listerally made use of the localities of the northward. Mr. Landor appears to have a writer of fettion, and appears to have listerally made use of the locality indulged in by nevel writers, Erratum —In Mr. Birkmyre's last paper, on "Rafiways and Free Trade," line 36, for 118, read 6-7 per cent.

- *e* We should feel obliged to all pursers, captains, or adventurers, to forward particulars of meetings, &c., of the mines with which they may be connected, on the carilest opportunity, that they may be published in the Journal.

To the Editor.

Mining Journal Office,
26, Fleet-street, London.

And Post-office orders made payable to Wm. Salmon Mansell, as acting for the proprietors

MINING JOURNAL

Railway and Commercial Gasette.

LONDON, JUNE 30, 1849.

ite Mining Jouanal is published at about Eleven o'clock on Saturday morning, at the office, 26, Floct-street, and can be obtained, before Twelve, of all news agents, at the Royal Exchange, and other parts of London.

Instructions have been issued by the Secretary of State to Prof. Phillips, F.R.S., and T. R. Bakewell, Esq., who have been appointed to inquire into the state of collieries and ironstone mines the Government thus taking upon themselves to appoint inspectors without any Legislative authority, and sending them on their mission, without being armed with powers to compel owners and viewers of mines to give them every facility in the discharge of their duties. From the nature of the instructions and the inquiries to be made, it of mines to give them every facility in the discharge of their duties. From the nature of the instructions and the inquiries to be made, it is probable they will meet with much opposition, and every possible evasion will be practised. It is nothing more than a Government commission of inquiry, and we cannot view such a proceeding as anything but a contemptible farce. In the first place, every information which can possibly be collected on the subject, was obtained in 1839, after the explosion at the Hilda Pit, in which 52 lives were lost, by the South Shields committee, when a valuable mass of facts were brought together, previously not generally known, which must have a beneficial effect on mining operations. Numerous inquiries, by Government appointments, have since taken place; and the whole minutie of the subject is now so well known, that no further light can be thrown upon it. It appears to us perfectly clear that such appointments can only be looked upon as a "job," and as a sop thrown out to quiet CERBERUS. Whatever dreadful explosions occur, there will always be at hand the members of a Government commission to enquire (?) when the mischief is done. However excellent these gentlemen may be in other respects, they are totally unfit for the duties of inspection thus kindly thrust upon them. We presume these gentlemen, who are certainly not the practical men required, are thoroughly engaged on the duties of their present employments; and it appears an insult to common sense, as well as the colliery population and the public, that when the latter are calling out for the establishment of a rigid inspection, with powers—at least, to endeavour—to keep every colliery in the kingdom in a safe state, they are cooly told that a commission is appointed to inquire into what is already well known. We should like to know why numbers of practical men, who framed the South Shields Report, were passed over, many of long practice in the working of collieries, who would have devoted their time to the districts, of

We should like to know why numbers of practical men, who framed the South Shields Report, were passed over, many of long practice in the working of collieries, who would have devoted their time to the districts, of known character and strict integrity, and who, would have been looked up to by the working collier with confidence and hope, and whose practical knowledge would have been depended on and respected by the owners? Why also numerous competent viewers, who have been nursed in the colliery, and are familiar with every vicissitude and casualty which could possibly happen, should not have been named? Such men appointed to districts, where they would watch over the progress of the workings of every colliery, become acquainted with every detail of each, and, as circumstances require, recommend such alterations, or make such suggestions, as they may believe necessary for the miners' safety, would do more in preventing accidents than a hundred jobbing commissions. It is like every Whig measure—a shuffling, ricketty apology for what the public require, and one which that same public will certainly not be content with. We have, however, some little hope of what may result from the Lords' Committee, under the superintendence of Lord WHANNCLIFFE, who have summoned the attendance of some eminent practical men, and the owners of several inventions of acknowledged value in colliery operations, and we trust the end in view is the best application of known means; and not the stready too oft-repeated farce of inquiring into causes well known, or those fatal effects which it is our unhappy duty almost weekly to record. While on this subject, we would call particular attention to a communication in aneffects which it is our unhappy duty almost weekly to record. While or this subject, we would call particular attention to a communication in an-other column from Mr. J. Richardson, C.E., of Neath, whose views so coincide with those already expressed by ourselves, and to other commu-

nications on the subject. nications on the subject.

The past week has been a singularly fatal one—one prolific in the destruction of human life, and what, perhaps, is worse than death, crippling scores for the remainder of their existence.

The following is the startling summary of the principal accidents:—

Date. Situation of Colliery.
June 23 St. Helens....
, 26 Great Bridge, Da Probably killed.

Thirry-three men and boys instantaneously ushered into eternity in six days, and 62 maimed, the majority of them, probably, for life; and after all that has been taking place, talked about, written, and investigated for 20 years, Sir George Grey has the temerity to insult the nation with another commission of inquiry. We sincerely hope Messrs, Hume, Duncombe, and Aglioney, will persevere in pressing forward their bill, whatever be its defects—the Lords' Committee may do much in its modification—and convince the members of her Majesty's Government that the time has now arrived, when this important interest can no longer be trifled with.

In another column we have given a detailed report of the case of Toll v. Lee, which was decided before the Barons of the Exchequer, on Saturday last. This case, which was tried last Spring Assizes at Bodmin, terminated in a verdict for the plaintiff; leave was, however, granted to enter a verdict for the defendant, if the points objected to be his counsel were held good. One point, and the most important to the mining interest, which was mooted on this trial, was the defendant's assumed non-liability, on the plea that his shares had not been legally transferred, by not having the that his shares had not been legany transferred, by not having the proper stamp affixed to the certificate. The document transferring the shares (a copy of which appears in the report of the trial) was read in Court, and received as evidence. The decision of the judges in discharging the rule has, we trust, virtually settled this hitherto doubtful question; and we cannot but congratulate the mining interest on its favourable elucidation. Had the cause terminated adversely for the plaintiff, the dangerous precedent which would thereby have arisen, could not be otherwise than highly detrimental to all commercial speculation, and franght with the greatest axis to mining surervise. The mining interest otherwise than highly detrimental to all commercial speculation, and fraught with the greatest evils to mining enterprise. The mining interest has for a long period been in a depressed state. This has arisen from a variety of causes, which it would be useless here to analyse; but we submit that, shackled with numerous burthens as it is at present, the attempt to impose more vexations imposts, especially those having reference to the transfer of mining shares, would have been a measure, to say the least of it, highly impolitic, tending only to embarass all negociations, and effectually impede the development of mining industry. The question has often been discussed in our Journal; and we have always been of opinion, that stamps were not necessary to legalise the transfer of mining shares; and no later than the 19th of May last did we assure our readers that there existed no cause for apprehension. All parts of the mining community were so deeply interested in the question, that no Minister would and no later than the 19th of May last did we assure our readers that there existed no cause for apprehension. All parts of the mining community were so deeply interested in the question, that no Minister would be so wild, or so wanton, as to attempt an extortion prognant with serious evils. By reference to the notice of the Commissioners of Inland Revenue, it will be seen that in default of the consideration money being duly set forth in the deed or investment, the purchaser and seller incur a penalty of 50L, and five times the amount of the duty evaded by the orission; and that the person employed in preparing the transfer incurs a penalty of 50C, and if he be an attorney, solicitor, or writer to the signet, he is on conviction thenceforth disabled from practising. That if either of the parties to the transfer gives information to the commissioners, whereby the penalty incurred by the other, or the quintuple daty, or any part thereof, may be recovered, he is not only to be indemnified and discharged from his liability, but may be rewarded out of the money so recovered, to such an extent, not exceeding one-half thereof, as the commissioners shall think proper. That the purchaser may recover back from the seller, in an action at law, so much of the purchase-money as shall not be set forth in the transfer, or the whole thereof, if no part be set forth. We are not disposed to discuss the moral bearings of this or any of the stamp enactments, if such was the law affecting transfers in mining shares, the bait held out to the informer would tend to foster bad faith, and a violation of all those principles of rectitude which should regulate commercial transactions, the rigid observance of which has given us that high standing and proud position which we occupy among the mercantile nations of the world. Basiness in mines would be more limited, and the value of the shares would be deteriorated in proportion, while the genial spirit of legitimate mining enterprise would be at the mercy of any characterless and unprincipled knave, who chose to adopt the unenviable and degraded position of the common informer. The uncertain position of the question has been, since the promulgation of the law, from all accounts, productive of some little evil, as the more timid were fearful of purchasing property in which they could acquire but a dubious title. The decision of the Court of Exchequer has now determined the question; and the law so ably laid down by Baron PARKE will stand as a future precedent. Mining companies are trading concerns; where no land is assigned no deed is necessary; conveyance of goods—for in that category, ores, machinery, &c., must be reckoned—are exempt from stamp duty; a simple agreement, as in the transfer of merchandise, with the usual stamp is all that is necessary.

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At the annual meeting of the SOUTH AUSTRALIAN COMPANY, on At the annual meeting of the South Australian Company, on Wednesday last, a report was presented (of which we give to-day almost an entire copy), which possesses more than an ordinary interest for our readers. That company, unlike many others, uniformly avoids all puffing, their reports are reliable documents; and, from that one we learn that smelting operations in South Australia "are no longer problematical, but certain." Three works of this kind have been erected, or are in the course of erection there. Of this or, at least the fact of smelting in the colony, the most under

kind have been erected, or are in the course of erection there. Of this or, at least, the fact of smelting in the colony, the most undeniable proof was given. Several specimens of copper raised from the company's mines, and smelted on the company's lands, were exhibited at the meeting; also a block of the colonial copper, about 2 cwts., part of a small lot of about 1½ ton, sent for the satisfaction of the board of directors, and for the purpose of trying the English market. The shareholders were informed, by the report, that it had been assayed in London, found to contain from 96 to 97 per cent. pure copper, and had been sold at 68/ per ton. A similar quantity had been sent by the colonial manager to Singapore and to Batavia, to try those markets.

These first fruits are from a small smelting establishment erected near the South Australian Company's mine (the Kanmantoo), by Messrs. Thomas, two gentlemen who have had considerable experience as smelters in Chili. But the effects of these colonial operations will be very limited, till the work in the course of erection near the Burra Burra Mine, by Messrs. SCHNEIDER and Co's representatives there, come into play. Then a large proportion of the supplies of ore, received of late at Swansea, will be withdrawn. Then the miners and smelters of South Australia will, as compared with those of England, have peculiar advantages in supplying with copper the Indian and Chinese markets. Then it will be seen, whether they may or not interfere with the supply of the English market. It will be simply a matter of calculation, and that, as between the miner in South Australia, who can at the least cost raise and smelt his ore, and deliver his copper in London; and the miner in England, who works his mine at the greatest cost then current. In connection with this interesting subject, we learn, from good authority, that smelting operations are carried on in Sydney or neighbourhood; that a considerable parcel of refined copper had been sent thence to Calculatio, where so much enterpr vitality, and perseverance exist) are on the move in the smelting dep-ment, the effects of which on existing interests in England, it is impossi-

In common with our contemporaries of the railway press, we have, since the first period of the suggestion being made, strongly urged the advantages which companies would derive from working their lines by contract, and have recorded two or three instances in which Irish lines were worked on such plan at 1s. 3d. per mile. It is gratifying to find that the adoption of the principle is extending to English lines; and we are now enabled to state that the North Staffordshire Company has just entered into an agreement for working their line on terms still more favourable. The contract before us is for "the maintenance of the rolling stock and working of the traffic of the North Staffordshire Raifway;" and we understand 14 tenders were sent in—Mr. Waight, the extensive carriage builder, of Saltley, near Birmingham, being the successful competitor. Notwithstanding the terms of this contract are exceedingly low, compared with what the traffic expenses of railway companies have amounted to, it is a fact that at least two of the tenders were 20 and 25 per cent. below Mr. Waight's, and one-which most convincingly proclaims the boundless proligality and extravagance indulged in, and the want of capacity, and absence of care and inspection, on the part of locomotive and traffic management. The contract is for 10 years, terminable on a month's notice from the company, in which case the contractor is to be entitled to reasonable compensation, not exceeding the sum of 10,000, to be agreed at the contract of the company of the sum of 10,000, to be agreed the or tractor is to be entitled to reasonable compensation, not exceeding the sum of 10,000, to be agreed urged the advantages which companies would derive from working notice from the company, in which case the contractor is to be entitled to reasonable compensation, not exceeding the sum of 10,000l., to be agreed upon, or settled by arbitration. The contractor is, on the termination of the contract, to deliver up the rolling stock, &c., in good repair, and to be subject to a charge, or deduction, to be made quarterly, for depreciation of the rolling stock at and after the following rate:—1\(\frac{1}{2}\)d. per mile run for each locomotive engine, or 10s, per diem when it shall have been used, and no mileage account kept; \(\frac{1}{2}\)th of a 1d, per mile run for each first-class or composite carriage; \(\frac{1}{2}\)th of a 1d, per mile run for each second-class carriage; \(\frac{1}{2}\)th of a 1d, per mile run for each second-class carriage; \(\frac{1}{2}\)th of a 1d, per mile run for each second-class carriage; \(\frac{1}{2}\)th of a 1d, per mile run for each second-class carriage; \(\frac{1}{2}\)th of a 1d, per mile run for each second-class carriage; \(\frac{1}{2}\)th of a 1d, per mile run for each second-class carriage; \(\frac{1}{2}\)th of a 1d, per mile run for each second-class carriage; \(\frac{1}{2}\)th of a 1d, per mile run for each second-class carriage; \(\frac{1}{2}\)th of a 1d, per mile run for each second-class carriage; \(\frac{1}{2}\)th of a 1d, per mile run for each first-class carriage; \(\frac{1}{2}\)th of a 1d, per mile run for each second-class carriage; \(\frac{1}{2}\)th of a 1d, per mile run for each first-class carriage; \(\frac{1}{2}\)th of a 1d, per mile run for each first-class carriage; \(\frac{1}{2}\)th of a 1d, per mile run for each first-class carriage; and tools. He is also to take upon himself all the water cranes at stations, and the company's existing contracts for water, &c.

These items, taken at a per centage, will amount to nearly 5000l, per annum. The contractor has to maintain and work the locomotives, carriages, waggons, &c., at a mileage rate, and return them at the expiration of the contract in proper working order and conditio

and every requisite for the running of the stock.

The rates of remuneration are to be—For each passenger-train propelled by locomotive power of the company, consisting of eight vehicles, exclusive of engine and tender, if an express or mail train of 40 miles per hour, or if a third-class or stopping train of 30 miles per hour, for each mile so propelled the sum of 1s. Id.; and for each vehicle in such train exceeding eight, an addition of \(\frac{1}{2} \) d. per mile run and propelled by such power, and a reduction of \(\frac{1}{2} \) d. per mile in like manner for each carriage less than eight in any such train; and for each goods, cattle, or mineral train propelled by locomotive power of the company of the gross weight, exclusive of engine and tender, of 125 tons, whether conveyed in the vehicles of the company or otherwise, and which shall be timed at an average rate of running speed between station and station, including the starting from the one and she stopping at the other, of 18 miles per hour, for each mile so propelled the sum of 1s. 2\(\frac{1}{2} \) d.; and for each ton exceeding the said gross weight an addition of \(\frac{1}{2} \) th of a ponny per mile, with a reduction of the like amount for each ton less than the said gross weight; and for each such goods, cattle, or mineral train, at 12 miles an hour, for each m ile so propelled the sum of 1s. 2\(\frac{1}{2} \) d, with a like addition or reduction of \(\frac{1}{2} \) th of a ponny per mile, with a reduction of \(\frac{1}{2} \) th of a ponny per mile, with a reduction of \(\frac{1}{2} \) th of a ponny per mile, with a reduction of \(\frac{1}{2} \) th of a ponny per mile, with a reduction of \(\frac{1}{2} \) th of a ponny per mile, with a reduction of \(\frac{1}{2} \) the of a ponny per mile, with a reduction of \(\frac{1}{2} \) the of a ponny per mile, with a reduction of \(\frac{1}{2} \) the of a ponny per mile, with a reduction of \(\frac{1}{2} \) the of a ponny per mile, with a reduction of \(\frac{1}{2} \) the of a ponny per

said gross weight.

The company are, in addition, to pay (as we understand) the following sums for or in respect of each vehicle of the company run in trains, whether on the line of the company, or on the line of any other railway:

"this of a 1d. per mile run for each first-class carriage; the of a 1d. per mile run for each composite carriage; this of a 1d. per mile run for each second-class carriage; this of a 1d. per mile run for each horse-box or carriage; the sof a 1d. per mile run for each horse-box or carriage; the sof a 1d. per mile run for each horse-box or carriage; the sof a 1d. per mile run for each horse-box or carriage. Yan, truck, waggon, or other vehicle, when loaded; the of a 1d. per mile run for each horse-box or carriage. Yan, truck, waggon, or other vehicle, when empty."

or other vehicle, when empty."
We thus give the full detailed particulars of this new feature in conducting railway transit, from the conviction that this first step, which, we

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ve. ly doubt not, will result in positive advantages to the shareholders, will pave the way to other reforms, bring about a perfect revolution in the economy of working railways, and probably, at no great length of time, reduce the cost somewhat 50 per cent. under Mr. Whight's contract.

One word as to the result of the competition in this case. We are not justified in charging the directors with motives for their conduct, and are, perhaps, bound to suppose they have acted for the best, as we are perfectly aware there may exist many circumstances under which it would not be case or desirable to take the lowest tender; but if, as stated above, two of the tenders were respectively one-fifth and one-fourth below Mr. Whight's, if they were from houses of stability and 'responsibility, who could give the necessary security, and were known as men of commercial activity and perseverance, the shareholders ought to be informed the reasons for the choice, and some valid explanation will be required why they are to be compelled to pay some 12,000. Or 15,000. Per annum, and which, if the other tendering parties could afford to do the work for so much less, goes into the contractor's pocket as absolutely extra profit, by which alone, in 10 years, he would realise a handsome fortune.

Our attention has been directed to the bill introduced into the House of Commons, entitled "a Bill to Amend the Joint-Stock Companies' Winding-up Act, 1848," ordered to be printed 21st June, 1849. On reading the first clause of which, as amended by the committee, it would appear that the language may be considered as bearing a double construction, or interpretation, but which, it is to be supposed, could not have been the intent. To render this, however, clear, it may be well to quote two passages, which will at once show that they are not in unison with each other, nor are they—at least the first—in strict accordance with the Joint-Stock Companies' Registration Act, 7 and 8 Vic., c. 110, sec. 63, which exempts mines worked on the Cost-book Principle, from the application of the Act. The particular paragraphs to which we refer are as follow, having reference to the Act passed 11 and 12 Vic. c. 45:—"That notwithstanding anything in the said Act contained importing a more limited application thereof, the same shall apply to all partnerships, associations, and companies, whereof the partners, or associates, are not less than six in number," &c. This would imply that all mining companies worked upon the Cost-book Principle, or System, were included in the bill now proposed to be carried into a law, and thus the exception referred to becomes nullified. This, it is to be presumed, could never be the intent or meaning of the framers of the bill, as all mines worked in such manner have a court of redress and appeal, peculiarly adapted and employed for all cases affecting mining enterprise, where such principle be acted upon. We refer to the Court of Stannaries, ably presided over by Mr. Dampler (the Lord Warden), and being penally exempted in the Act cited, would, in case of being brought under the provisions of the proposed bill, render the court referred to a nonentity, and as perfectly useless; while, at the present time, it is considered one of the greatest advantages which the miner and adventurer, or merchant, po

renturer, or merchant, possesses, being a court of easy access, with insignificant cost attendant on the proceedings which may be instituted, and ready redress is acquired.

We now approach the last paragraph in the first clause already adverted to. The words are—"Provided, nevertheless, that nothing herein contained shall affect the jurisdiction of the Court of Stannaries in Cornwall." It would thus appear, from this last paragraph, that it was the intention of the bill to exempt the jurisdiction of the Court of Stannaries; but this portion of the clause is opposed to the words first quoted, which would include all mining adventures, and which it was the express object of the former Act (7th and 8th Vic., c. 110) to exempt from its operation. It is only necessary to direct attention to the subject, which is one of infinite importance to the mining interests, and to express our hope that, ere the bill passes the Legislature, such alterations will be made as shall secure to the mine adventurer those rights and privileges which he at present enjoys, but which this bill would wrest from him, if passed in its present form; while it is possible that proceedings might be instituted in the Court of Chancery, in London, to render the association bankrupt, and, at the same time, that measures might be in course of adoption in the Vice-Warden's Court, in Cornwall—having for their object the winding-up the affairs of the company with dispatch and at easy cost. The resealed remarks are all it our darks to express of the two courts.

The receasing remarks are felt it our darks to substitute to the Possiden.

Mine may, we believe, be cited as illustrative evidence of the nature of the two courts.

The preceding remarks we felt it our duty to submit to the President of the Board of Trade (Mr. Labouchere), who introduced the bill; and, although such communication was made at a late hour, arising from absence from England, it is pleasing to find such to have been received and considered deserving of attention—the acknowledgment of the hon, gentlemen being now before us. Having referred to the main points which presented themselves, upon the first perusal of the bill introduced, we have taken some care in consulting parties most interested with mining pursuits, as to the effect which it is calculated to produce, if passed in its present form. Having carefully perused the several Acts, we have arrived at the conclusion that, while mines worked upon the Cost-book Principle are exemplified by the 7 and 8 Vtc., c. 110, sec. 63—the words of which are, "Provided always, and be it enacted, that nothing in this Act contained shall extend to, or be construed to extend to, any partnership formed for the working of mines, minerals, and quarries, of what nature soever, on the principle commonly called the 'Cost-book Principle'"—without the abrogation of such clause, mines so worked are exempt; and, further, to afford corroborative evidence that such was the intentand meaning, on passing the Act for Facilitating the Winding-up the Affairs of Joint-Stock Companies (11th and 12th Vtc., c. 45), in clause 2, it is "provided, nevertheless, that nothing herein contained shall affect the jurisdiction of the Court of Stannaries in Cornwall." The same words, we admit, are used in the present bill; but they are preceded by a paragraph, already cited, which would, in a great measure, render the exemption nugatory.

The Wheal Curtis Mine adventurers, no doubt instigated by their lawyer

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The Wheal Curtis Mine adventurers, no doubt instigated by their lawyer (for fees are not to be lost sight of, where there is a prospect of their being paid) thought fit to register the company under the Joint-stock Companies' Registration Act, and well have they paid for it. Proceedings were taken in Cornwall in the Vice-Warden's Court, and in the courts of London under the Winding-up Act; expenses were incurred, and but for the good sense and feeling of the Master in Chancery (Master Brougham, if we recollect aright), and the vice-warden, and also the adventurers and creditors of the mine, we have it on good authority that an expense of 600t to 700t. would have been incurred, besides the machinery being sacrificed, under an order of the court.

We are advocates of the Cost-book System—we are admirers of the Court of Stannaries—and when we state that, during the past 10 years, not more than two or three appeals have been made to the Lord Warden, if is the best evidence of the confidence reposed, and satisfaction manifested by those embarked in mines in the county, whether as miners, adventurers, or merchants. Isolated instances have occurred, where adventurers have been sued in the courts of law; but this is a subject we do not purpose treating on at this moment, as it behoves the Cornish members, as well as all those connected with mineral districts, to introduce some measure into Parliament, which, while it shall strictly define the Cost-book System, shall also render it of universal practice, and not confine it,

measure into Parliament, which, while it shall strictly define the Cost-book System, shall also render it of universal practice, and not confine it, as we contend it is at present, to the connies of Cornwall and Devon.

We have, on more than one occasion, observed that the Cost-book System does not extend beyond these two counties, although the late Registrar of Joint-Stock Companies expressed his opinion to us, in a written communication, that all mines worked, whether in Wales, Scotland, or Ireland, were embraced in the exemption of the 63d clause, if worked on the Cost-book System. Companies are formed, and the public are "humbugged" by the statement put forward, that the mines, whether in California or elsewhere, are worked on the Cost-book System; while there are no courts of appeal, or where justice can be fairly meted out. In Ireland we find, however, that such Cost-book System is not acknowledged by the Government, the advalorem stamp being attached to all transfers. We do not advance this but on authority, having, on a late visit to Ireland, ascertained this fact, and may refer to the Mining Company of Ireland as an instance; while the rates there imposed on the advancturer, which are not borne by him in this country, will form subject for another notice. The Cost-book System we believe to be confined to the two countries, and while we object to anything which may be in the slightest degree tending to abrogate, or destroy, the advantages which the miner now

possesses, we are perfectly ready to admit that the bill under notice is most beneficial to mines worked out of those districts, where the principal cannot be practised or observed. We think it only right, where mining adventurers are insolvent, the more ready means afforded for closing the concerns the better, and the present bill is well calculated to afford such facilities. In closing our remarks, we have only to repeat that mines professedly worked on the Cost-book System, out of the jurisdiction of the Stannaries' Court, are subjected to the pains and penalties incurred under the Act for the Registration of Joint-Stock Companies.

Stannaries' Court, are subjected to the pains and penalties incurred under the Act for the Registration of Joint-Stock Companies.

It will make happy this autumn some of the homes of England if the expedition which left these shores some four years since, on a adventurous voyage of discovery in the Arctic regions, should, released from its frozen captivity by the relaxing heat of this fall summer, return to the bosom of that people, and to the welcoming arms of those companions from whom they have now been absent nearly an olympiad of winters. It is, we fear, but too accurately concluded, that the probable safety of the expedition diminishes as the length of its absence increases. But amidst all the fears which there is too much reason to entertain, it is consolitory to know that all the efforts which are within the reach of British skill, and of British heroism, to find and release the sufferers, are at this moment in full activity. No less than three auxiliary expeditions have been sent out from this country in search of the original one under the command of Capt. Sir John Frankkin. We are, in fact, storming the city barrier which separates the temperate from the freezing zone, in the hope of reaching that high northern point, at which it is possible the gallant commander and his followers are detained, and waiting the withdrawal of the frozen bars of their bleak prison to make way southwest or south-east into the open sea. A third expedition has gone out under the direction of Sir J. Richansox to try the overland route, and somewhere to fall in with the missing adventurers in the intermediate longitudes, where neither ships nor detached parties from the sea-going expeditions could reasonably hope to reach them. In addition to what Great Britain is thus doing for the rescue of her own servants, the Government of the United States has sent northward an expedition to second and support the diligent efforts which are being made in that direction by ourselves. If any benefits to science and navigation, or to any

It is pleasing to find that the life of the collier and miner has at last excited the attention of the Legislature, and our only hope is It is pleasing to find that the life of the collier and miner has at last excited the attention of the Legislature, and our only hope is —to use a vulgar, but common expression—that it will not be the case "too many cocks spoil the broth." We were led to suppose that Government would take some steps for the preservation of life, by introducing an enactment whereby a control would be placed over the working of collieries or mines, without interruption to, or interference with, the coal-owners; but, as Lord Dudley Stuart very rightly observed, professions are prolific—bills are introduced, read a first and, perhaps, a second time, and then withdrawn, thus precluding the representatives of the nation at large from submitting any measure to the consideration of the House, which might have for its object beneficial results to the community, whether as regards the safety or security of life, or any other object.

It is some time since that Mr. Hume introduced a measure, or gave notice of a bill, for the better ventilation of mines, and other provisions relating to the working of collieries. The ill health of the hon. Member, we believe, precluded him from taking those active steps which are his wont; and hence the bill fell into the hands of Mr. Duncombe, M.P., who, with Mr. Aglionny, has introduced it, the second reading being fixed for the 4th July. We have carefully perused the bill, and have no hesitation in saying that it cannot pass without much revision; indeed, it is not to be supposed that certain clauses therein introduced would be admitted by any one who may possess a practical knowledge of mining operations.

in saying that it cannot pass without much revision; indeed, it is not to be supposed that certain clauses therein introduced would be admitted by any one who may possess a practical knowledge of mining operations. We shall, however, see what is to be done with it, if it proceeds as far as a committee, in which case we trust that parties will be examined, and that the merits of the measure will well be entered into.

We find that in the field we have Mr. Wyld, M.P. for Bodmin, and we are well pleased to see that his active mind is directed to the colliery, as well as to the mining, districts, with which latter he is so intimately connected. We recommend him caution in his movements, and first to acquire information to the fullest extent, and to be prepared at every point, ere he submits any measure to the Legislature for its adoption. To fail is to do injury to the cause he would advocate; while, if successful in any measure he might advance, he would, we feel assured, have the concurrent good feeling and best wishes, with thanks, of the colliery owner and the collier. It is, we know, hard to steer between the two, from false prejudices which too oft exist; but if an Act be passed, we know full well that we all become passive, and accommodate ourselves, in the best way we can, to circumstances.

It was only on Thursday evening that Mr. Wyld moved for a committee for inquiry into accidents in collieries and mines, &c., when it appeared to some one hon. Member, whose name is not reported, that there were only 38 Members in the House, and, consequently, it was counted out. The motion, therefore, fell to the ground. We can well imagine that the hon. gentleman had some interest, direct or indirect, whereby he would wish such a motion to be swamped; but what can we say for his humanity? We are glad, however, to find that the hon. Member for Bodmin was not beat; for, on looking over the proceedings of the House, we find that the gave notice of motion for introduction of "a bill to enable her Majesty's Secretary of Sta

we find that he gave notice of motion for introduction of "a bill to enable her Majesty's Secretary of State to appoint inspectors of mines and collieries, and for providing the means of payment for such inspection "— the motion standing for Tuesday, the 3d July.

It will much depend as to the manner in which the hon. Member treats this question as to the advantages attendant; if he pursues the plan which, as before stated, Government have adopted, of appointing gentlemen who, though eminent in their pursuits, are not practical working men, who are most required, then most certainly will he fail in his object. We will just say a word or two as to the notions we entertain on the subject, and merely throw out our suggestions in the rough, that they may be adopted, or otherwise. We would, in the first instance, appoint local inspectors—that is to say, an inspector to certain districts or localities, eight, ten, or twelve in all, as might be considered necessary, but confining them to their particular districts. We would pay them just so much as would render them independent of the colliery proprietor, it being understood that every inspector employed should be a good practical man, acquainted with the nature of the coal fields in his immediate district. It should be provided that such inspector should, at stated periods, to be determined upon, inspect and report on the state of the colliery, and furnish such report to some authority, to be named; and that, in all cases, an application or appeal to the local magistrates, who should be armed with power, should

be deemed sufficient. Plans, we need hardly my, should be kept, and duplicates furnished to the official authorities.

Without entering further into the details on the present occasion, it may be wall to see whence the revenue is to arise for payment of these said officers. This appears to us to be very simple; and if we assume 1500 collieries in work, paying on an average 300. per annun as poor's-rate, then, without looking into their books, tax them at 3d. in the 1l. per annum, which would realise 5625l.—more than equal to the cost of the establishment, or as should be; however, we will return to this next week.

FOREIGN INTELLIGENCE.

The Rattler, from Hobart Town, brought 17,263 lbs, weight of copper, in addition to 1300 bags of copper ore from Valparaiso. The Tepic also brought 96 bars of copper addressed to a house in town. The Secret, arrived from St. Petersburgh, has brought 36 bars of gold as a portion of her cargo, consigned to an eminent commercial house.

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The United States' store ship, Lexington, arrived at New York, on the 10th inst., from San Francisco: she has been absent 35 months, and has in freight from California 1218 bis. grain gold, having landed at Valparniso 458 lbs. Total brought from California, 1676 lbs. troy weight, valued at \$370,000. This is believed to be the largest amount of gold shipped to the United States at any one time, previous to the sailing of this vessel. Her advices have been anticipated by Lieut. Beale's dispatches, published in the Mining Journal on the 16th. Papers from Sydney and Port Philip, to a late date, arrived on Thursday afternoon, but they give scarcely a line worth extract. The Port Philip advices report little further confirmatory intelligence respecting gold discoveries, the Government having ordered the mounted police to take possession of and keep strict vigilance over the site where the deposit is alleged to exist. Several specimens are, however, stated to be in the hands of parties who unhesitatingly assert that the locality of the Pyrenees does produce the auriferous metal, and that to a considerable extent. The trade of Melbourne was improving, and the exports the last year exceeded imports by 6800? Business at Sydney remained extremely dail, and there was apparently little prospect of alteration. By the last Indian dispatches, we learn that it was reported Major Edwardes had been deputed to carry the famous diamond, the Kooh-i-Noor, to England, for presentation to the Queen. The story about the discovery of unusual quantities of gold in Sarawak seems to have come to nothing, but it is stated they are constantly finding small quantities in the interior. The settlers at Labuan continued in good health. Mr. Mottley, the superintendent of the affairs of the Eastern Archipelago Company, had just arrived, and it was expocted that the coal mines would shortly be in active and prolitable working. In the Singap

for the commerce of the entire Archipelago.

Lanuak—Accounts received from this colony to the 17th April represent the place as comparatively healthy on the higher ground where the Europeans reside. Roads in various directions had been completed, or were in progress, but trade there was none; excepting with small supplies of fowls, &c., not a vessel of any description had visited the place for a month, nor were any expected. Mr. Mottley, C.E., agent of the Eastern Archipelago Company, had reached the island, visited the coal seam, and looked around him to fix the site of future operations. The coal is now, after a long and fair trial, admitted to be excellent, indeed by far the best ever found in the east: it is already raised to a large amount, and the steamers are supplied with it. The seam, which is 10 feet thick, and runs across the island, is a continuation of a Bornean seam which has been traced from the coast, and runs many miles into the interior of the great island. Some very interesting particulars will be found in a letter from a correspondent, in the Mining Journal of the 9th inst.

ON PYROGEN.-No. XI.

BY JOHN JOSEPH LAKE, ROYAL LABORATORY, GOSPORT.

Amongst the many phenomena of which the existence of pyrogen seems to explain the cause, the two following are too important to be passed over in silence. First, that peculiar property described by M. A. De la Rivo which is acquired by metallic conductors when, being immersed in the liquid as poles, they have completed for some time the volraic current, in consequence of which, when separated from the battery and plunged into the same fluid, they themselves produce an electric current. Second, the cases detailed by M. A. Van Beek, in which the electrical relation of one metal in contact with another has been preserved after separation, and accompanied by its corresponding chemical effects. These are results that would naturally be produced by the operation of the principles developed in my last paper, concerning the origin of the heat generated by the voltsic current in the circuit wire, and the melting, deflagration, and dispersion of metallic substances by strong charges. To produce these effects the metals must be impregnated with pyrogen, and such impregnation would produce the effects observed in the two cases just cited, which would last until the electric matter with which the metals are impregnated is discharged. The action developed in the above cases cannot be a mere surface action; for if pyrogen were merely on the surface, it would discharge itself at once, to restore the disturbed electric equilibrium. Instead of this, it passes off gradually, as it escapes from the pores of the impregnated metal, producing electric currents. This operation is particularly marked in the case given by M. A. De la Rive. in silence. First, that peculiar property described by M. A. De la Rive

for if pyrogen were merely on the surface, it would discharge itself at once, to restore the disturbed electric equilibrium. Instead of this, it passes off gradually, as it seasoes from the pores of the impregnated metal, producing electric currents. This operation is particularly marked in the case given by M. A. De la Rive.

The origin of the pyrogen in M. Ponillett's experiments with corn plants, seems to be also explained by the principles developed in these papers. That eminent electrician arranged 12 glass capsules, about 8 in. in diameter, in two rows beside each other, on a table, varnished with gum-lac—the capsules also being varnished 2 in. round the lips with lac-varnish. The corn seeds were sown in these in vegetable mould, and the glasses connected with each other by wires, which passed from the inside of the other over the edges. One of the capsules was placed in communication with the upper plate of a condenser, by means of a brass wire; while, at the same time, the under plate was in communication with the ground. The laboratory was carefully shut, and neither fire, light, nor any electrified body introduced into it. On the third day, the blades appeared above the surface, and the condenser was charged with positive electricity. The electricity cannot, however, be recognised, unless the weather be exceedingly dry, or the apartment artifically dried by introducing substances that possess the property of absorbing moisture. Without entering into the question whether the resulting pyrogen arises from the decomposition of water, or is disengaged with the carbonic acid, as has been supposed, or is developed during both of these operations, or by any other, the existence of the electric matter, and its chemical effects, sufficiently account for its appearance in this experiment—it being released by the chemical processes of vegetation.

Some physiological effects are also readily accounted for by the same means—for instance, the depression of spirits, so generally attendant upon damp and gloomy weathe

The Mine of Cronbourg.—That part of the silver mine of Cronbourg which is called "the depth," is 2000 feet below the surface of the earth. It is a world in itself, distinct and remote from the animated sun-enlivened world with which we are familiar. Hope, the life of the young, dies in a single day in the eternal darkness of these fearful regions whence the captive knows full well to shall never more go forth. The prisoners who are engulphed (most of them victims of the hatred or the fears of the minister, Spielman) have no means of communication with the outer world; charged with state crimes, they are suddenly hurried away from their friends and families, without the latter being able to determine positely whether they have been removed.—Landor's Loftedden.

Original Correspondence.

PRACTICAL REMARKS ON MANAGING AND VENTILATING COLLIERIES.

Sir.,—Suffer me, I pray you, to address, through your columns, some hints to influential persons in any way connected with coal mines. I do not wish to occupy your valuable space with repetitions of remarks that have long since appeared in your Journal; but rather to pen some that may be likely to be useful—my chief object being to show that it is possible to prevent colliery explosions. Numerous are the plans and projects proposed to effect the desirable object of avoiding explosions; but unfortunately those proposed or patronised by men of influence are useless; while those which would be found useful, being brought forward by practical, but unpolitical, men, are scouted as absurd, and altogether neglected. As an instance, Mr. G. Gurney's plan of ventilating coal-pits by a jet of high-pressure steam, has found immense favour with Government, and was introduced in the House of Lords last week by the Earl of St. Germans. Combined with it is a plan of forcing carbonic acid gas upon the flame to extinguish the fire. I know very well that both these plans combined will be quite ineffectual to prevent explosions. An explosion of fire-damp is instantaneous; how, then, can carbonic acid gas be made to prevent the explosion? Perhaps, Sir, the nobleman who introduced Mr. Gurney's petition can answer this question; and if not, no doubt his supporters (Lord Brougham, the Marquis of Lansdowne, and Lord Wharneliffe) can. But I will not occupy time in criticising further either the motion or the movers; but if that plan be found useless, as I predict, Mr. Gurney cannot complain of want of patronage; and the inutility of his scheme must surely be ascribed to its own defects. But I esteem science disgraced by such proceedings; and I am sure that, when noblemen express an opinion about what they are totally unacquainted with, and recommend at random anything that their friends introduce, it will not increase their reputation for wisdom in the eyes of the nation. Lord Brougham said it was impossible to make the miners use safet SIR,-Suffer me, I pray you, to address, through your columns, so hints to influential persons in any way connected with coal mines. liery. Small pits may be kept suff lights; but large ones never can.

lights; but large ones never can.

The simplest plan of producing a current of air through a mine is to connect the upcast shaft with a furnace chimney; the furnace to be aboveground, and not in the pit; because when in the pit, there is danger and inconvenience. By this means, the impure air may be drawn off, though slowly. Now, if a colliery have a sufficient number of ventilating shafts, and proper arrangements be made, a circulation of the air may be maintained; but it cannot be rendered so pure as atmospheric air. Among the various mechanical means suggested to remove the impure air, the pneumatic apparatus of Mr. P. Struvé deserves to be ranked first; and, in truth, it and M. De Puis plan are based upon the only sound principles upon which such apparatus can be constructed—viz.: the impure air is pumped out either through pipes, or up the upcast shaft, after which fresh air naturally rushes down the downcast shafts to supply the deficiency. Those plans which provide for a supply of fresh air being forced into the mine, are absurd. Common sense tells us that, if the air be removed from any given space, the surrounding air will, if permitted, always rush in to fill up the vacuity; and hence the principle to regulate the absolutely best system of ventilating coal mines, is simply to remove the foul air, and to any given apace, inc surrounning air will, in permitted, always rush in to fill up the vacuity; and hence the principle to regulate the absolutely best system of ventilating coal mines, is simply to remove the foul air, and to provide passages by and through which the exterior atmosphere can find ready access to the interior. But all these plans have been found insufficient to render the air in coal-pits inexplosive. I do not maintain that it is absolutely impossible to purify mines below the explosive point; but it could not be done without a vast outlay of money, trouble, and legislation, which I am convinced the present generation of coalmasters will never submit to; and, consequently, I assert that to ventilate thoroughly is practically impossible. As a proof that the present system of ventilation is ineffectual, I will just remark, that almost every pit in which explosion has occurred, has been represented to be well ventilated; and that if the best system now in actual operation in any colliery in Great Britain were enforced in every other colliery by parliamentary enactments, explosions would no more cease than they have done since 1816, when Sir H. Davy invented his safety-lamp. From these considerations, I conclude that, if the bills before Parliament should be passed enforcing ventilation, the lives of the colliers will not be any more secure than at present. Do I conclude, then, that it is impossible to prevent explosions of fire-damp? No, indeed. It is possible to avoid such avful occurrences, and by means simple and inexpensive. I take it for granted that it is impossible to remove all the foul air from fiery collieries; therefore, the miners must of necessity work sometimes in an explosive atmosphere.

Now, weeful experience has taught us that it is unsafe to work with a

impossible to remove all the foul air from fiery collieries; therefore, the miners must of necessity work sometimes in an explosive atmosphere.

Now, woeful experience has taught us that it is unsafe to work with a naked light of any sort, because flame will always explode the inflammable air. Common sense then suggests the remedy. Since naked flame causes danger, and lamps have been constructed that have been proved safe in any atmosphere, it is evident that, if such lamps were universally employed to light collieries, no explosions could occur. I fearlessly assert, from my knowledge of coal mining management, that an effectual preventive of explosions is only to be found in a more careful working and a better system of lighting. So long as naked candles and lamps are used, or safety-lamps only occasionally, instead of generally, used, explosions will be caused. Unless the fire-damp can be prevented accumulating, and unless it can be removed from pits the instant it is formed, safety can be insured only by a careful attention to the lighting apparatus employed—by seeing that it is properly constructed, and kept in proper order. Three things must be observed—viz.: firstly, the managers of the colliery, where it is customary for them to supply the lights, should provide a sufficient number of safety-lamps for all their miners; secondly, in cases where the colliers find their own lights, the danger of working without safety-lamps must be explained to them, and they must be compelled to provide safety-lamps; thirdly, in all cases the overlookers of the pit must take care that the men both use, and also properly use, their safety-lamps at all times.

From the foregoing considerations, it is clear to my whet Georgies.

lamps; thirdly, in all cases the overlookers of the pit must take care that the men both use, and also properly use, their safety-lamps at all times. From the foregoing considerations, it is clear to me what Government should do in the matter, how far they may judiciously interfere with the management of collieries, and by what enactments they may benefit the condition of the collier, so far as concerns the removing from him all danger of explosion. Although this is not the place to dwell upon the miseries of coal mining. I will only just observe that, had those noble lords who talk so glibly upon this matter ever witnessed the results of an explosion of fire-damp in the mutilated remains of the victims, and the discress and anguish of the surviving relatives, they would not treat it with such cool indifference and lightness. Remove from the collier all possible danger of explosion, and even then their occupation is the most laborious and dangerous in England. Their condition cannot be much ameliorated without the sympathy and aid of their wealty masters: and

sible danger of explosion, and even then their occupation is the most laborious and dangerous in England. Their condition cannot be much ameliorated without the sympathy and aid of their wealthy masters; and as these gentlemen form a considerable portion of the Government and Members of Parliament, I am not inclined to expect much good from Government interference in the matter; and yet I will just point out how the Legislature may do a little good, if so inclined.

To speak the truth, and not to honey the matter, in too many instances there is great indifference manifested by wealthy coalmasters towards that class, without whom they could not maintain their magnificence, and without whose labours their wealth would be fathoms deep in the bosom of the earth. They order the superintendents of their collieries to manage matters in the cheapest possible manner; and all accidents through defective machinery are shrouded in obscurity. The complaints of the miners are unheeded, if ever they do reach the noble proprietor's ears. When explosions occur, the blame is invariably thrown upon the poor colliers themselves, as if they would choose a voluntary death, instead of being compelled to risk their lives through the capidity of their employers, as is really the fact; then, when a jury is empanelled to sit upon the bodies of any of these poor unfortunates, too often both they and the coroner refrain from passing any blane upon the man of wealth; but censure severely the poor collier. Moreover, when the jury have courage to recommend better machinery and management in any instance, it is quite optional to the proprietor whether he do so or not; there is no law to com-

pel him. The reports of inquests in the newspapers will incontestably prove that these statements are veritable facts. The strong arm of the law is wanted, then, to maintain the cause of the poor collier against the encroachments and oppressions of his wealthy and powerful master. The rich can protect themselves; they need no laws to protect them. Laws, so which the proprietor, or his actual managers, may be held responsible for all deaths that may be caused through want of proper and sufficient match which the statements of the colliers themselves, who are the individuals best able to account for accidents, shall be admitted as evidence, and have as much which the statements of the colliers themselves, who are the individuals best able to account for accidents, shall be admitted as evidence, and have as much which the parties actually causing explosion, whether master or miner, be held subject to law, and be subjected to fine or imprisonment, as the case may warrant. I confine myself now to the prevention of explosions of fire-damp. As these can only be prevented by the use of safety-lamps, instead of naked candles, the law should punish severely all managers neglectful on this point, and so make them obedient to this rule through fear. Depend upon it, the colliers, as a body, will never object to use so simple a remedy. The colliers, though ignorant, are not fools, and will willingly use safety-lamps when supplied to them, and when required to do so. As the colliers are completely subjected to them on when required to do so. As the colliers are completely subjected to the overlookers, it is these latter gentlemen that the law should be made for, compelling them and their employers, through fear of punishment, to take care that the pit be properly worked. Order can be obtained in works aboveground; why, then, cannot it in works underground? Masters are responsible for the lives of the miners? If the law does not make coalmasters guilty of manslaughter, when it can be proved that they and their deputies have be

Mention having been made of the safety-lamp, and it having been stated that the remedy for explosions lies only in the use of that lamp, I deem it necessary and advisable to add a few words respecting it, and to examine the merits of some of different constructions. I have tried some experiments, with a view of finding out whether phosphorus could be applied in any way to illuminate collieries, but I despair of ever being able to make any chemical compound evolve sufficient light for the purpose. A wire gauze lamp is the only safe lamp that has yet been invented. Wire gauze was first employed for the purpose of enclosing the flame by our illustrious countrymen, George Stephenson, Esq., and Sir Humphry Davy, about the year 1816. In their two lamps the same principle was followed. The lamp is known throughout England by the name of the Davy lamp, and would (if always used, and ever kept in order) effectually prevent explosions. As a proof, in those pits where the lamp is most used, there will be found to have been the fewest explosions (in some none) since its introduction. But, then, this fact stares us in the face, that a great many and murderous explosions have occurred since 1816. This is true; what, then, is the cause? It is twofold; the miners often object to use it, because it affords such a dim light; and some managers refuse to find them, because they are expensive, and cost more than candles. Now, these are trifling objections; and, supposing they are irremovable, it would be the duty of the Government to compel its use. Safety is the main object, and upsets all other considerations. If required, I do not doubt but that the nation generally would willingly pay a higher price for their coal, if the difference were employed in lessening the dangers to which the colliers are exposed. But it is not so; improved safety-lamps have been made and tried, which are not liable to either of these objections. It is but due to Mr. John Crane to place him first among the improvers of the safety-lamp, He has designed s Mention having been made of the safety-lamp, and it having been stated that the remedy for explosions lies only in the use of that lamp, I deem it necessary and advisable to add a few words respecting it, and to examine the merits of some of different constructions. I have tried some exhis coming will be fatal to those unprepared to meet him. The way to be protected against fire-damp—an ominous name, at which colliers shudder—is to be provided with safety-lamps, and to use them at all times, so that when the enemy comes he may be prevented from doing mischief, and not merely to keep them ready for use, well knowing, from experience, that he gives no warning of his approach, and that, therefore, there will be no time to arm against him after his arrival. Other lamps have been invented—some chimerical, and of no use at all. Oil lamps are decidedly best fitted for safety-lamps, because they are less bulky and trouble than candles. The only other lamp I shall notice is one patented by Mr. B. Biram, which is ingenious in many respects, and quite safe—but faulty, inasmuch as it only emits light on one side, and, therefore, leaves the roof of the mine and one side wall in darkness. There should now be no hesitation to use some sort of real safety-lamp, because lamps can be had that will answer every requirement; and I express the hope that ere long the use of safety-lamps will become universal in every fiery colliery, either by compulsion of the law, or by the humanity and direction of the proprietor. Sir, I know this subject, upon which I venture to write, is of importance, and, therefore, I humbly hope that you will not consider my remarks either to be out of place or out of time. If you can find room for them at an early period in your influential paper, you shall have my hearty thanks.—Coal: Birmingham, June 22.

GOVERNMENT INSPECTORS OF MINES AND COLLIERIES.

GOVERNMENT INSPECTORS OF MINES AND COLLIERIES.

Sir,—Your able Journal has always supported the interest of mining, and you have duly watched every question touching the welfare of our home mines. The mining community look to you, and you alone, to support their cause, and to encourage the promoters of the Act for the "Better Ventilation of Collieries," &c., and to insist that intelligent practical men should be appointed, so as to ensure the obtainment of the object in view. If the Government nominate individuals who do not possess the requisite practical qualifications, it will only be a source of annoyance to the proprietors, agents, and workmen, without effecting any good.

It will be a very delicate and responsible post, therefore, requiring much discrimination in the selection of men suitable to the respective districts. I admit, what Mr. Hopkins states, that, under existing circumstances, it is difficult to establish such a system of inspection; but I beg to ask him, as a practical man, how are explosions from carleessness to be prevented, but by efficient inspectors having full authority to do so? Mr. Hopkins refers to explosions arising from undulations. I could instance many of similar nature, which, however perfect the ordinary ventilation may be, are susceptible of explosion, and, therefore, requiring something more than the recommendation of the Hebburn jury to remove the danger. A mere mining office of records, in London, and commissioners totally unacquainted with the practical details of the underground works, cannot lead to any useful purpose. Had the explosion been owing principally to the want of an increased draft in the upcast shafts, as some of your correspondents will have it, it would be a very easy matter to pass a law to apply high-pressure steam, or pneumatic machines, to them all, so as to increase the intensity of the circulation; but would this stop the cause of complaint?—

No. The evil arises from numerous other causes, which can only be effectually corrected by the frequent visi

mockery to appoint those persons called mining geologists; they may do very well as surveyors, because inexperience in such matters would be harmless, and of little consequence, when compared to the important trust of human life.

of human life.

Let us hope that your able pen will not rest until such an Act has been obtained as will ensure a greater protection for the life of the collier. Mr. Hopkins must be well aware, from the nature of his occupation, as inspector of mines, what kind of viewers are the agents of the lords of the manors, and what little interest they take in the condition of the poor collier; unless they can obtain something better than their protective sympathy, it would be indeed a forlorn hope.

Mining Agent.

Flintshire, June 27.

pathy, it would be indeed a fortorn nope.

Flintshire, June 27.

GOVERNMENT INSPECTION OF MINES.

Sir.—Your correspondent, Mr. Evan Hopkins, C.E., F.G.S., also consulting mining engineer, has taken advantage of the recent explosion at Hebburn Colliery to propose a plan, which, although not new, yet coming from a gentleman of his designation, and at the very crisis of Parliamentary inquiry, might be expected to contain some traces of practical application. The evidence on the above catastrophe certainly represented that gas had accumulated in undulations of the mine, which was in that part rendered exceedingly high by artificial cutting, therefore would require extra ventilation; but the evidence also showed that, during many months previous, that part of the mine was quite safe; it is, therefore, reasonable to conclude that the explosion had originated in some failure of the wonted ventilation; but all agreed that, if danger had been apprehended, the ordinary process would have removed it. Therefore, Mr. Hopkins's gas-pipes would not, under the circumstances, have been applied. The term, "goave," made use of by Mr. Hopkins, applies to the space left after the coal has been entirely removed; but in this case the pillars were all open and upstanding, and the place where the fire is said to have originated had been a current tram-way for many monts.

The undulations spoken of at the inquest extended over a considerable area, and, therefore, were totally inapplicable to any piping arrangements; and it will, I doubt not, throw a new light upon the subject, if Mr. Hopkins can show by what means he would prevent the air of the mine from entering the pipes which he would wish to be occupied in carrying off the gas. If difficulty applies to the piping off such a diminutive space as here exhibited, how utterly impossible, must it not be to apply the system to many acres of goaves. Mr. Hopkins must understand that the modern science of colliery viewing is founded upon practical philosophy, which teaches the following prin

P.S.—Since writing the above, I see that another dreadful explosion has happened, near St. Helen's, Lancashire; it is to be hoped that this event may act decisively upon the present Parliamentary movement.

BILL TO PROVIDE FOR THE BETTER VENTILATION OF MINES. SIR,—Your correspondents, "Black Diamond" and Mr. Evan Hopkins, have scarcely sufficiently appreciated the great difficulty there is in legislating upon this important subject, so as to produce a good and efficient measure, applicable to all districts. It is well known that different systems of working, weighing and measuring, paying, &c., are pursued in the several coal-fields of the kingdom; in some parts it is the custom to let the working of the coal to contractors, or butties; in others it is the practice to pay the men by the day; the most prevalent mode, however, is to pay them by weight, or measure. The customs, or bye-laws, are also as varied and dissimilar as the districts are numerous. The understood, or expressed, conditions on which the men are engaged, and to which they are obliged to conform, are also very different; and, indeed, there is such an absence of uniformity in all these matters, which are of the first importance to the collier and miner, that it will be scarcely possible to remedy acknowledged abuses which prevail in one district, without inflicting what may be thought to be unnecessary interference in another. Freely admitting that the bill is quite capable of improvement by omissions, alterations, and additions, yet there is much that is excellent in it, and which, if passed into a law, can scarcely fail of accomplishing much real good. To devise a measure of this kind, that will be both efficient and unobjectionable to all parties, is an impossibility, and we must, therefore, be content to take a law somewhat short of absolute perfection. Yet this is no reason why we should not discuss the merits of any bill, and even oppose it, if we think it likely to produce more evil than good, or that it is incommensurate with our requirements. Bills are usually maternally modified in committees, and in passing through the two last readings in Parliament; and there are too many coalowners in both Houses to permit this bill to be exempted from BILL TO PROVIDE FOR THE BETTER VENTILATION OF MINES.

As far, therefore, as the interests of the coalowners are concerned, there is nothing to fear, whatever apprehensions there may be as to that of the other party concerned in this measure.

"Black Diamond" refers to a few clauses which he terms "the most objectionable and impracticable," and seems to anticipate "evil results," should they become law. He first names the ninth clause, which relates to accidents inflicting personal injuries. This clause might be modified, so as to be unobjectionable to one party, and advantageous to the other. Some provision of this kind is certainly required; for many men are now wounded, or contused, so as to render them incapable over after to earn a livelihood, without receiving any relief, or attention, from the owner, or managers, of the mine. It is evidently expedient that such cases should be reported to the inspector, and some notice of them taken by him. Were the time (12 hours) for giving such notice extended, and the surgeon's certificate as to the nature of the injuries first obtained, your able correspondent's objection to this clause might possibly be diminished, if not overcome; for knowing, as he doubtless does, the amount of privation and suffering which is now hopelessly endured from this cause, he cannot mean to deny a remedy for it, because it may be liable to abuse.

Neither can clause 21 be carried into effect, which provides that the wages of colliers are to be paid by the actual weight of the coal brought to the surface, and not by measurement, &c. In making this comment, "Black Diamond" has fallen into the error of supposing that to be impracticable which is hot done in his own locality. In this district it is not only practicable, but the general custom, for the wages of the collier to be so paid, and a similar mode of payment prevails extensively in other districts. In the northern (Newcastle) district the men are paid on what is called the average weight of the coal brought to bank. This average is obtained by weighing two tubs in each score, there bein

called the average weight of the coal brought to bank. This average is obtained by weighing two tubs in each score, there being two weighers, one appointed and paid by the owners and the other by the colliers—so that both weighing and measuring are here resorted to, the weight determining the capacity of the measure. In many districts the mode of weighing and measuring has given rise to much discontent and disagreements between the colliers and their employers, and to frequent "strikes," with all the ill effects consequent thereon; the bill, therefore, would have been very incomplete without some provision relating to this subject, and any inconveniences which may arise from it will be more than counterbalanced by the benefits to be obtained from it. It is proposed in this clause that beams and scales only shall be used in weighing the coal, which certainly will be attended with inconvenience, and might be modified, so as to permit coals to be weighed by machines properly constructed, and subject to the examination and approval of the inspector.

The payment of wages is also very properly noticed in the bill; but the policy of making these weekly, as proposed, is certainly questionable. In the large collieries in the north of England, and in some other places, the wages are paid fortnightly, and this term might advantageously be substituted for weekly payments. That the men shall be individually paid in money is another condition which is objected to; but the arguments advanced against it are insufficient to convince the writer (who knows from experience that such a plan is practicable and easy) that this proposition should be omitted from the clause.

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"Black Diamond" is evidently labouring under great misapprehension as to "the proposed plan for levying the income requisite for the working of the machinery of this Act," which, he adds, "will be thought by many inquisitorial and unfairly burdensome, especially on large concerns." If he will turn to the 29th clause he will find "that the expenses incurred under this Act, &c., shall be payed and defrayed from and out of the Consolidated Fund of the United Kingdom."

Your correspondent contends that it is neither "practicable nor just" to make the agents responsible, even though it be proved that the accident arose from their own carclessness, incompetency, or inattention, but that the legal responsibilities and profits of the concern ought to be held sacredly fadissoluble. There certainly would be greater injustice in not permitting the owner in some cases to relieve himself from these responsibilities, when it can be fairly and honestly done; otherwise, it is giving the agent a power over the property of the owner, which might be employed to disastrous and rainous purposes.

It is a well-known fact that "the truck system" is extensively pursued in some mining districts, and the existing laws are evaded and violated with impunity; whilst some coal-owners derive an income of from 1200. to 2000. a year by the profits imposed on the necessaries of life consumed by their workmen, who are obliged to take the goods, and pay a higher price for them than is demanded elsawhere. The demoralizing practice of paying men in public-houses, or in paying them in such a way as to render it necessary for them to resort there to obtain change and divide it, is also very prevalent, and highly injurious to the workmen. With the knowledge of such facts before us, it must be confessed that some such provisions as are contained in this bill are imperatively required, and that it would have been very imperfectly "drawn" had such important matters been omitted. One good effect which will result from this, or some other such bill, becomi

ST. HELEN'S AND GREATBRIDGE EXPLOSIONS.

ST. HELEN'S AND GREATBRIDGE EXPLOSIONS.

Sir,—One of these catastrophes being in the thin coal of Lancashire, and the other in the 30 ft. seam of Staffordshire, afford vast food for reflection. In the former, according to the inquest, the explosion occurred from the long practiced obstinacy of one of the colliers, although his conduct of working with his maked light, instead of a safety-lamp, seems never to have come to the knowledge of his employers, although well known to his fellow-workmen, which is somewhat strange, and exhibits a pretty strong proof that the staff of management was deficient to direct who was to use candles and who lamps, instead of leaving it to the discretion of common colliers. The manager inferred that Government inspectors could not control the colliers; but Government inspectors could see that systems and arrangements were according to the best of practice, and they would not be charged with details. In the other case, it was occasioned by the doggy, or manager, unscrewing his lamp whilst the colliers were busy "brushing out" the sulphur from the working places, which is done by jackets, or other such like operations—the effect of which is to stir up the stagnant gas, and so convert the whole atmosphere of that place into a highly explosive mix up, unless instantly carried off by active venitation. This pit was conducted upon the doggy system, being somewhat like the overman and deputy system of the north of England; but the mine was worked according to the general custom of Stafford-hire. However, now that the latter is to be subjected to the examination of Government commissioners, it will be important to see what conclusions they come to, and whether their report makes for or against the proposed legislation; and they will form important evidences before Lord Wharneliffe's committee. The proper questions to be raised are—1. As to the propriety of each system.—2. As to whether, practically speaking, the arrangements were duly provided for.

PAMMING BACK WATER**.

**Chamber of t

"DAMMING" BACK WATER.

the arrangements were duly provided for.

Durham, June 28.

"DAMMING" BACK WATER.

Sir,—In your valuable Journal, of 28d inst., is a letter, signed "A. B.," South Wales, wishing information or a plan to dam back water. I, as a miner, have known as much as 270 gallons of water per minute "tubbed" back. Whatever size your drift, or mine, may be, either in cast-iron, stone, or wood, one pipe or two should enter into the dam, the top of the pipe to be taken 4 or 5 f. above the level of the water, so as the air, or the different sorts of gases, may have liberty to pass through the pipes, which air, or gases, by escaping, will prevent the pressure from coming on the dam.—Foster Grahame: Cambuslang, June 25.

The best method of "damming" back water being of much importance in colliery operations, we are induced to reprint a letter on the subject, which appeared in our Journal of the 18th June, 1842, from Mr. Matthias Dunn, the well-known viewer, of Newcastle-on-Tyne;—

Sir.—Having lately had occasion to contend against a spring of water met with in Evenwood drifts, at the depth of 36 fms. from the surface, I take the liberty of sending you an account of the method that was taken to dam it back. Underground plan. The two drifts, A B, were each six feet wide, and six feet high; a place, therefore, was selected where both coal and stone were sound, and the position of the dam prepared to suit the sweep of intended dam, a frame of oak, eight feet square, was then inserted, being carefully fitted to the chamber with tarred flannel, and the intermediate space filled with cast-iron segments, formerly intended for a nine-foot shaft, between each segment being filled up with slit deal for wedging in; the centre joints were also broken by inserting wooden plugs, also fitted for wedging. Inside the said dams were placed strong stays, to prevent the dams from wedging in; the centre joints were also broken by inserting wooden plugs, also fitted for wedging has and the space with fitted by the process. A leaden pipe was also insert

COPPER SHEATHING.

COPPER SHEATHING.

Sir.—In Mr. Merry's letter, published in last week's Journal, he expresses his wish to contribute his mite to the elucidation of this important subject, if he could possibly find out what was wanted. In a letter from the "Roaster Man," published in your Journal of the 28th April, he states —"If Mr. Prideaux will inform me, from what experimental and theoretical experience he has had of smelting, how we shall bring forward our metal through the different stages, and making it as fine as the "prill' produced by the assayer from the ores, and, at the same time, retain our 12 per cent. sarplus copper, I will at once give him such information as will guarantee the make of a good quality copper for sheathing." In my letter of the 25th May, published in the Journal of the 9th inst., I respectfully requested that the "Roaster Man" would define what he meant by "swelling the surplus." If anwilling to do so, I at least expected he would have honoured me with the courtesy of a reply; every one who has hitherto taken part in the question, to my thinking, has cheerfully and willingly added their quota of information to the general stock. I think we must all agree that, as far as Mr. Prideaux is concerned, he has shown a great desire, on every occasion, to elucidate any point which has occurred during the discussion of this important subject. Id on ot think it fair that he should be required to give all his information without receiving a fair quid pro quo. We are all aware that the assayer can make his prill finer the crucible than the refiner in his furnace. This is done by the addition of expensive fluxes and a neat manipulation, which cannot be practised on a large scale. I have been some years a 'practical as well as theoretical smelter, and am conversant with all the operations—from calcining the ore to refining the copper. I do not arrogate to myself any superiority over my fellow-erafismen; I am willing to impart any information I possess whenever called upon, and, at the same time, I am not too pr

RAILWAY PRODIGALITY-No. III.

RAILWAY PRODIGALITY—No. III.

Sin,—In the construction of railways, the system of contracts is generally, if not universally, pursued. Such a plan has many advantages, although exposed to great abuses; and it is very questionable whether any saving to the order of the contracts of the profits derived from the construction of railways hy contracts of the profits derived from the construction of railways by contracts of the profits derived from the construction of railways by contracts of the profits derived from the construction of railways by contracts of the profits derived from the construction of railways by contract. It is the common precise for large contractors to sub-let the work to others, so that there are at least three profits obtained on the actual cost of the labour performed. One of your contemporates says, "the opposed actions of," and the writer has known one contract, astending the contract, and the strip of the company two years credit on a contract of the profits and contract, astending over about 30 miles of railways shareholders can have no notion of the plander that has been committed on them under the system of private contracts. We must, however, the last meeting, called particular attention to the figure of the contract, and the strip of the plander that has been committed on them under the system of private contracts by public tender, and justly took credit for the plan. Most off. Huddon's lines do the anne. Whatever may be the faults of this gentleman in other respects, against whom it is now the fashion to clamour, we are not aware that he has ever does seended to that practice of participating in contracts, which has disgraced, past relengion, more than one of our boards, and enriched with wealth and infamy others. Can any one imagine men to rise in a few years from its has been committed to the contract of th

bridge ever constructed, embracing economy and stability, is, therefore, superiorly adapted for railways, which plans might be effected without the aid of scaffolds or centering.

FELL'S COMPRESSED-AIR LOCOMOTIVE ENGINE.

FELL'S COMPRESSED-AIR LOCOMOTIVE ENGINE.

Sin,—I noticed your description of the above proposed compressed-air system for railway propulsion with pleasure, as I perfectly agree with your remarks on the unscientific nature of the plan, which it is certain, can never be carried out in practice; and I am only induced to request the insertion of a few remarks in your valuable columns, from seeing an attractive description, with diagrams, in the Railway Record of last weekbeing, in fact, a mere reprint of the prospectus; and although it is certainly not editorially puffed up, is calculated to mislead, and probably induce unwary persons, without scientific knowledge, to embark in the undertaking, under a belief in its likely success. The more this proposed system is examined, the more frequent do clear and valid objections arise; and, in addition to the well-known difficulties—indeed, I may say impossibility—of working compressed-air for motive power economically, which you have explained, there are points which it would be wise for the promoters to consider, and weigh well, before they throw away their capital irrecoverably. As it is proposed to work at 50 lbs. pressure to the inch, the pipes must be of enormous strength (and consequent cost) to withstand such an internal pressure exerted outwards, and not assisted by the arch form of the pipe, as in a vacuum, where the pressure is without. The securing the necessary contact of the slipper-valve with the air-chamber as it slides over them, to prevent escape of power, must be productive of enormous friction at the lowest speeds, and at high velocities they would fly off like heads of corn before the sickle. The numerous valves in the slipper-valve, and the expansion-and contraction of the tube joints from changes of temperature while under such pressure, will be continually productive of leakage to an enormous extent; and, however pretty the so much lauded model may work, the parties will find, on a full working scale, that they have a power to contend with totally b

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CTRUVE'S PATENT MINE VENTILATOR.

Quantity of air passed through a Bine almost unlimited, to the extent of 200,000 cable feet per minute, if necessary—depending on size of apparatus. No injury to pumps, tabbing, chains, ropes, or pitwork.

Goaves kept clear.

Not influenced by barometrical and thermometrical changes in the atmosphere, or by wind RIDER'S RAIL WAY BRIDGE. on the following terms:

A BRIDGE, of 150 span, for a double track railway, broad gauge—Price £2000.

A BRIDGE, of 100 feet span, same dimensions—Price £1000.

These prices are exclusive of battments or piers.

FOADWAY BRIDGES at a reduction on cost of from one-half to two-thirds.

FOADWAY BRIDGES at a reduction on cost of from one-half to two-thirds.

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LONDON WAREHOUSE—No. 6, Upper Thames-street. SOUTH AUSTRALIAN COMPANY.—At the Thirteenth Annual General Meeting of the proprietors, held at their offices, No. 4, New Broadstreet, on Medinesday. Annual General Meeting of the proprietors, held at their offices, No. 4, New Broadtreet, on Wednesday, June 27, 1849,

JAMES RUDDELL TODD, Esq., in the chair.,

The following resolutions were unanimously adopted:

Moved by James Ruddell Todd, Esq.; seconded by James Brewster, Esq.,

That the report of the company's operations as now read be adopted for the thirteenth manual report of the South Asstralian Company, and printed and circulated under the lirection of the board; also that the accounts of the company's affairs to the 30th April ast (as now submitted) be approved.

Moved by Thomas Williams, Esq.; seconded by Rev. Thomas Timpson,

That the recommendation of the directors to declare for the current year a dividend at the rate of 4 per cent. per annum, being in the persportion of £1 per share on the paid ap shares (free of income-tax), be adopted, and that they be authorised to pay the same nail-yearly as heretofore.

Moved by George Miller, Esq.; seconded by William Hardcasile, Esq., TO ENGINEERS, ARCHITECTS, BUILDERS, AND DECORATORS.

TEPHENS' DYES FOR STAINING WOOD, as a SUBSTITUTE FOR PAINT:—For Decorating Churches, large Public Rooms and
Theatres, as well as Private Duellings. When economy in expenditure of material and
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N.B.—The trade aupplied.—Where also may be had the proper varnish and size, with
directions for their usa.—Also,
directions for their usa.—Also,
STEPHENS' WRITING FLUIDS comprise the most splended and durable colours, and
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A Liquid Reuge Carnime, for artists and contrast writing, in glass bottles.
A Liquid Reugen, is most valuable in the prevention of frauds.
A Liquid Nethanical, and Architectural Drawing Ink, superior to Indian Ink.
Marking Inks for Linen—select Steel Pens—Inkholders.

Propared by HENRY STEP TO ENGINEERS, ARCHITECTS, BUILDERS, AND DECORATORS as the rate of a per cant. per annum, oung in the proportion of 24 per saare on the jug shares (free of income-tax), be adopted, and that they be authorised to pay the san half-yearly as heretofore.

Moved by George Milier, Esq.; seconded by William Hardcastle, Esq., 3. That the report of the directors, together with a balance-sheet of the company affairs to be read at the annual general meeting of the shareholders, be in future printe and placed at their disposal before the commancement of business on the day of meetin Movred by Edward Divert, Esq., M.P.; seconded by Richard Boswell Beddome, Esq., 4. That Richard Foster, Esq., and John Fussell, Esq., who retire by rotation, be re-elected directors; and that John Basley White, Esq., and William Richards, Esq., 1 re-elected auditors. auditors.

de by Hewett Cottrel Watson, Esq.; seconded by Eev. Thomas Timson,
a list of the proprietors, with their post addresses, be printed, and a copy
teh proprietor on application.
oved by Mr. Bsylie Cullerne; seconded by William Hardcastle, Esq.,
the most covidal thanks of the meeting be given to the chairman and direct b. That the most cordial thanks of the meeting be given to the chairman and director for their very great zeal and attention in conducting the affairs of the company. Moved by Charles Roberts, Eq.; seconded by Robert Oakes, Esq.; and supported by the Chairman,

7. That the best thanks of the meeting be given to Mr. M'Laren and Mr. Giles for their sentimed valuable services in the company's affairs.

London, June 27, 1849. SOUTH AUSTRALIAN BANKING COMPANYIncorporated by Royal Charter.—At the Eighth Annual General Meeting hold nd 3s. each.

CAUTION.—The Unchangeable Blue Fluids are Patent articles; the public are, thore, cautioned against imitations, which are infringements, to sell or use which is ille

HENRY STEPHENS, 54, Stamford-street, Blackfriars-road, London. their offices, No. 34, Old Broad-street, on Tucsday, June, 26, 1849, the following resolutions were adopted:

Moved by E. Divett, Esq., M.P.: seconded by J. Fussell, Esq.,

1. That the report of the company's operations, as now read, be adopted for the eight annual report of the South Australian Banking Company, and printed and circulat under the direction of the count of directors; also, that the accounts of the company affairs to the 28th of May last, as now submitted be approved.

Moved by J. R. Told, Esq.; seconded by C. Robarts, Esq.,

2. That the recommendation of the directors, to declare for the ensuing year a divided £6 per cent, per annum (clear of income-tex) on the paid-up capital, be adopted, at that they be authorised to pay the same half-yearly as before.

Moved by R. Foster, Esq.; seconded by G. Long, Esq.,

Moved by B. Foster, Esq.; seconded by G. Long, Esq.,

Moved by G. Paimer, jun., Esq.; seconded by G. Hong, Capital, be adopted of the thanks of the proprietors are hereby given to the channan and director of the thanks of the proprietors are hereby given to the channan and director their great exertions for the benefit of the company.

Moved by G. Divett, Esq., M.P.; seconded by G. Miller, Esq.,

Moved by E. Divett, Esq., M.P.; seconded by G. Miller, Esq.,

That the best thanks of this meeting be given to the local directors at Adolaide, are the many control of the company of the company of the many control of the company of the company

W. Sims, Bath: F. Myers, Preston.

N.B.—Respectable local agents are required for the provinces.

Jast published, the fortient thousand, an improved edition, revised and corrected, is pages, price 2s., in a scaled envelope, or forwarded, post-padi, by the Author, to any address, secure from observation, for 2s. 6d., in postage stamps, illustrated with merous anatomical coloured engravings, &c.

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We feel no hesitation in saying, that there is no member of society by whom the book will not be found useful—whether such person hold the relation of a parent, preceptor, or a clergyman.—Sus. Evening Paper.

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Parr THE First ritest of the ananomy and physiology of the reproductive organs, and is illustrated by six coloured engravings.—Part THE SECOND treats of the consequence resulting from excessive indulgence, and their lampscative effects on-tice system, producing mental and bodily weakens, nervous excitement, and generative incapacity; it is illustrated by three explanatory engravings.—Part THE SECOND treats of the closeses resulting from infection, either in the primary or secondary form, and contains explicit fractions for their treatment. This section is illustrated by 17 coloured engravings—Part THE FORTH contains a prescription for the prevention of disease by a simple application, by which the danger of infection is obtained. This important part of the work aloude not escape the reader's notice.—Part THE FIFTH is devoted to the consideration of marriage and its duties. The causes of unproductive unions are also considered, and the whole subject critically and philosophically inquired into.

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All MEMBERS of BOARDS OF HEALTH are especially DIRECTED to the most EFFECTIVE MEANS which they, can ADOPT to PREVENT the injurious and often FATAL EFFECTS upon the HEALTH of the COMMUNITY, arising from exhalsions that are produced from moisture, decayed animal matter (as in grave-yards), stagmant water, and collections of feetled, the impervious quality of the ASPHALTE of SETSSELT readers it the most perfect PAYEMENT or COVERING that can be relied upon for hermicially closing, and thereby preventing fire rising of moisture and escape of noxious vapours. The present extensive application of this material for covering roofs, terraces, and arches, for preventing the periodiston of well, is strong evidence of its effectiveness for the above purposes, which is further confirmed by the following extract from the Report of the Commissioners on the Fine Arts:—

"In 1839, I superintended the construction of a house of three stories on the Lac d'Enghein. The foundation of the building is constantly in water, about 194 inches below the level of the ground floor. The entire horizontal surface of the external and interval walls was covered at the level of the internal ground floor with a layer of SETS-SEL ASPHALTE, less than half an inch thick, over which coarse sand was appresd.

Since the above date, no trace of damp has shown itself round the walls of the lower story, which are for the most part painted in oil, of a grey stone colour. It is well known that the least moisture produces round spots, darker or lighter, on walls so painted. Yet the pavensen of the floor, resting on the soil the the three of the sheet of inserting the sills of two doors, apots indicating the presence of damp have been since remarked at the best of the door-pects."

This method has been adoyted at the new Houses of Parliament:

Seystel Asphalte Company, Stangate, Londop.

I. FARRELLE, Secretary.